

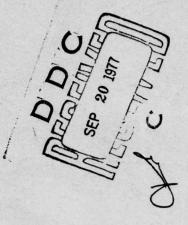
(SSMO)

AUSTRALIAN COASTAL MARINE AREAS

VOLUME 3

AREA 16 - ESPERANCE BAY S AREA 20 - BARROW ISLAND AREA 17 - CAPE LEEUWIN AREA 22 - CAPE TALBOT AREA 19 - SHARK BAY AREA 18 - PERTH NW AREA 21 - BROOME





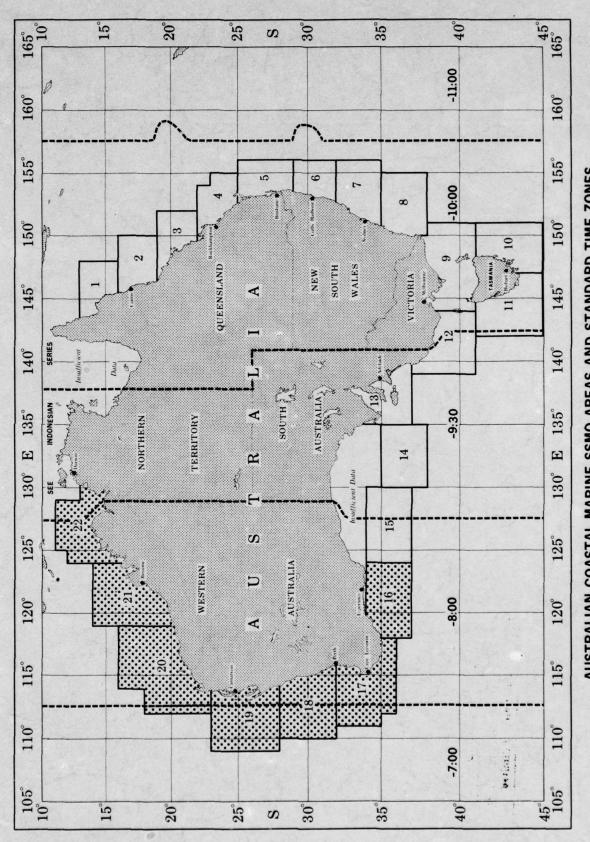
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AUSTRALIAN COASTAL MARINE SSMO AREAS AND STANDARD TIME ZONES Shaded areas are included in this volume A list of the area names and their central locations appears on the inside back cover

SYNOPTIC METEOROLOGICAL OBSERVATIONS SUMMARY OF (SSMO)

AUSTRALIAN COASTAL MARINE AREAS

VOLUME 3.

AREA 16 - ESPERANCE BAY S.
AREA 17 - CAPE LEEUWIN.
AREA 18 - PERTH NW.
AREA 19 - SHARK BAY.
AREA 20 - BARROW ISLAND.
AREA 21 - BROOME.
AREA 22 - CAPE TALBOT.



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149

REPORT DOCUMENTATION I	PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
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20. ABSTRACT (Continue on reverse side if necessary and	Identify by block number)	
This report presents marine climin 21 different tables including speed, cloud amount, ceiling heir relative humidity, air-sea tempe sea surface temperature and sea	weather occurre ght, visibility, rature differenc	nce, wind direction and precipitation, dry bulb,

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)	,

SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (MONTHLY AND ANNUAL)

The SSMO series of coastal marine summaries is managed and produced by the Naval Weather Service Detachment, Asheville, N. C. for the Director, Naval Oceanography and Meteorology. A list of published SSMO's is contained in the catalogue part of the "Guide to Standard Weather Summaries and Climatic Services", NAVAIR 50-IC-534.

The data summarized in the following tables were obtained from Tape Data Family 11 (TDF-11) Marine Surface Observations. The development and maintenance of TDF-11 was primarily funded by the Naval Weather Service Command. The source of these marine surface observations was punched cards of weather observations taken aboard vessels of varying registry. These observations were recorded on magnetic tape in a common format. Elements not in WMO code were converted to this code where possible. Where this was not possible, the original data were retained within the tape record as supplemental data. A very limited quality control was attempted as the punched cards were converted to taped records and, where possible, missing psychrometric data were computed.

Before the tables are prepared, extreme values of selected parameters are scrutinized so that obvious errors can be excluded. This method is necessarily subjective since the only available record of many observations is the punched card from which the tape records were prepared. Frequently there

is no concrete evidence to prove or disprove the validity of questionable data.

Also, it should be noted that these data are based upon observations made by ships in passage. Such ships tend to avoid bad weather when possible, thus biasing the data file toward good weather samples.

Because the number of observations may vary from one table to the other, no absolute relationship exists between the tables. As an example, air temperature counts for Tables 13 and 17 may not be identical since only observations containing both air temperature and relative humidity were counted in Table 13 and only those with both temperature and air-sea temperature difference were counted in Table 17. No requirement for simultaneous recording of all elements was made.

The primary period of record is that period (extending back in time from the most recent data) during which eighty percent of the total number of observations were recorded. The overall period is the earliest to the latest observed data used in compiling the tables. Tables 18 and 19 were tabulated from selected decks only and the overall period indicates the period of record of this data source. The primary period for these tables is not shown.

THE TABLES

Percentage frequencies are computed to hundredths and rounded to tenths. An asterisk (*) indicates percentage frequency > 0 and < .05. A value followed by a plus sign indicates greater than or equal to that value (8+ means 8 or greater). NH = low cloud amount (or middle cloud amount when low clouds are not present). The hours given in this publication are GMT.

The geographic position shown on the tables is the central position (centroid) of the observations within the area.

This value may fall outside irregular areas.

Annual values are computed on the basis of the sum of the monthlies divided by the number of months. Tables 1 through 19 appear in numerical order for each month, with the annual tables appearing after the tables for December. Tables 20 and 21 appear at the end of the entire series, after the annual summary for Table 19. The series of summaries appear in numerical order by area number.

Table 1 - Percentage Frequency of Weather Occurrence by Wind Direction (8 pts.).

Table 2 - Percentage Frequency of Weather Occurrence by Hour (GMT).

Table 3 - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction (8 pts.).

Table 3A - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction.

Table 4 - Percentage Frequency of Wind Speed by Hour (GMT). This table includes mean speed by hour.

Table 5 - Percentage Frequency of Total Cloud Amount (Oktas) by Wind Direction (8 pts.). This table includes mean cloud amount by Wind direction.

Table 6 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Wind Direction (8 pts.).

Table 7 - Cumulative Percentage Frequency of Occurrence of Ceiling Height (feet, NH > 4/8) and Visibility (Nautical Miles).

Table 7A - Percentage Frequency of Low Cloud Amount (or Middle Cloud Amount if Low Clouds are not present), and Percentage Frequency of Sky Obscured. Amounts are in Oktas.

Table 8 - Percentage Frequency of Wind Direction (8 pts.) vs. Occurrence or Non-Occurrence of Precipitation at Observation Time with Varying Values of Visibility (Nautical Miles).

Table 9 - Percentage Frequency of Wind Direction (8 pts.) vs. Wind Speed (kts.) with Varying Values of Visibility (Nautical Miles).

Table 10 - Percentage Frequency of Celling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Hour (GMT).

Table 11 - Percentage Frequency of Visibility (Nautical Miles) by Hour (GMT).

<u>Table 12</u> - Cumulative Percentage Frequency of Ranges of Visibility (Nautical Miles) and Ceiling Height (feet, NH > 4/8) by Hour (GMT).

Table 13 - Percentage Frequency of Relative Humidity (%) by Air Temperature (° F.).

Table 14 - Percentage Frequency of Wind Direction (8 pts.) by Air Temperature (° F.).

Table 15 - Means, Extremes, and Percentiles of Air Temperature (°F.) by Hour (GMT). Extreme temperatures are the one maximum and one minimum value appearing in the marine data file. The Extremes may be unrepresentative due to sampling errors. Extrapolation from the percentile values usually gives a better estimate of expected extreme conditions.

Table 16 - Percentage Frequency of Relative Humidity (%) by Hour (GMT).

Table 17 - Percentage Frequency of Air Temperature (°F.) and the Occurrence of Fog vs. Air-Sea Temperature Difference (°F.).

Air-Sea Temperature Difference is:

Positive when the air is warmer than the sea surface; Negative when the air is cooler than the sea surface. In the table heading, the limits of the temperature ranges appear in a vertical arrangement along the top of the table. Table 18 - Percentage Frequency of Surface Wind Speed (kts.) and Direction (8 pts.) vs. Sea Height (feet). Source deck 128 for which data are available from mid-1963 was used for these tables. This deck represents the latest and most complete homogeneous source of wave data available. Here, only sea waves generated by local winds in the vicinity of the observer are summarized.

Table 19 - Percentage Frequency of Wave Height (feet) vs. Wave Period (seconds). In this table when both sea and swell waves are present in an observation, the higher of the two is used. If both are the same height, the longer period is chosen. When only one of the wave groups is observed, either sea or swell, it is used in the summary. Swell waves are those generated by winds distant from the local area where the observation is taken.

Tables 1-19 appear together for each month and in the annual summary. The following two tables appear at the end of the entire series for each area.

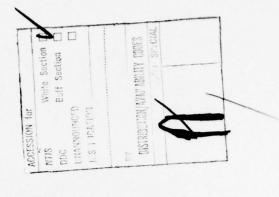
Table 20 - Monthly and Annual Percentage Frequencies and Means of Sea Surface Temperature (° F.).

Table 21 - Monthly and Annual Sea Level Pressures (millibars). This table includes means by hour and for all hours, extreme values and percentile values.

In this volume, percentage frequencies at specified hours of the day refer to percentages of observations taken at those hours, rather than percentages of observations taken at all hours. Data at adjacent hours are summarized with data at synoptic hours, i.e., data from 02 and 04 GMT are combined with data from 03 GMT. Note:

CONTENTS

PAGES	1-79 80-158 159-237 238-316 317-395 396-474 475-553
NAME	ESPERANCE BAY S CAPE LEEUWIN PERTH NW SHARK BAY BARROW ISLAND BROOME CAPE TALBOT
AREA	16 17 18 19 20 21 22



Copies of this document are obtainable from the National Technical Information Service (NTIS), Springfield, Virginia 22161.

CONVERSION OF WIND AND WAVE DIRECTION TO 8 POINTS

A reduced bias system was employed in converting wind and wave directions to 8 points. This method attaches weighting values to observations which overlap two different 8 point sectors and treats them as "decimal observation counts." These decimal quantities are rounded to whole numbers for presentation as "observational counts" in the tables. Figures 1-4 below superimposed.

Note: Recause of rounding, sub-total sums

Because of rounding, sub-total sums of "observation counts" may not equi-grand totals,

50-55,58-59	56-57 66-67	70-75,85-86 (68-69,83-84, 95,97 IF TEMP	$\begin{array}{c} \stackrel{<}{\scriptscriptstyle \leftarrow} 40^{\circ} \text{F}) \\ 76-79 \end{array}$	87-90 93-94 96 99	13,17 19,29 95-99 NOTE: The followeather of 88-69 (rg	
1 <vv<2< th=""><th>2<u><</u>VV<5</th><th>5<vv<10< th=""><th>10<vv<25< th=""><th>VV≥25</th><th><pre><means less="" than;="">means greater than; <means equal="" less="" or="" than="" to;="">means greater than or equal to.</means></means></pre></th><th></th></vv<25<></th></vv<10<></th></vv<2<>	2 <u><</u> VV<5	5 <vv<10< th=""><th>10<vv<25< th=""><th>VV≥25</th><th><pre><means less="" than;="">means greater than; <means equal="" less="" or="" than="" to;="">means greater than or equal to.</means></means></pre></th><th></th></vv<25<></th></vv<10<>	10 <vv<25< th=""><th>VV≥25</th><th><pre><means less="" than;="">means greater than; <means equal="" less="" or="" than="" to;="">means greater than or equal to.</means></means></pre></th><th></th></vv<25<>	VV≥25	<pre><means less="" than;="">means greater than; <means equal="" less="" or="" than="" to;="">means greater than or equal to.</means></means></pre>	
99	96	16	86	66	NOTE:	
of "observation counts" may not equal			1/2	Fig 2. The 16 point direction system superimposed on the 8 point system		
of "observation grand totals.	*		18 N	Fig. 1. The 8 point direction system.		

NO SIGNIFICANT
WEATHER AT
OB TIME

 $00-03 \ 14-16 \ 18$

SNOW

BLOWING DUST BLOWING SNOW

90-90

FREEZING PRECIPITATION

DRIZZLE

FOG (WITHOUT PRECIPITATION)
PAST HOUR

28

SMOKE HAZE SPRAY

04-05

80-82, (83-84) RAIN SHOWERS IF TEMP >40°F)

INTERPRETATION

CODE

INTERPRETATION

CODE

(NAUTICAL MILES) INTERPRETATION

VV<1/2

90-93

VISIBILITY (VV)

PRESENT WEATHER (1960 WMO CODE 4677)

FOG (WITHOUT PRECIPITATION)

10-12 40-49

RAIN

91-94 (68-69,95,97 IF TEMP >40°F)

1/2</V<1

94

58-59

60-65

00-49 NO PRECIPITATION AT OB TIME

OTHER FROZEN PRECIPITATION

PRECIPITATION AT OB TIME

50-99

HAIL

PRECIPITATION PAST HOUR

20-27

THUNDERSTORM THUNDER

The following WMO codes were counted in two weather categories, 58-59 (rain and drizzle); 68-69 (rain and drizzle); 96 and 99 (hail and thunder/lightning/thunder. storm); 95 and 97 (snow and thunder/lightning, thunderstorm), or (rain and thunder/lightning, NOTE:

Fig 4 The 35 point direction system superimposed on the 8 point system.

Fig. 3. The 32 point direction system superimposed on the 8 point system.

WAVE HEIGHT (from source decks 128 and 116)

AS RECORDED IN TABULATION (FEET)		49-60				61-70						71-86				\ 88.		
RANGE (MET ERS)	>14.75 to 15.25 >15.25 to 15.75 >15.75 to 16.25	to to	to		to	to to	> 20.25 to 20.75 > 20.75 to 21.25		>21.25 to 21.75)	to	>22.75 to 23.25	to	to	> 25.25 to 25.75		>96 95 +0 49 75}	6	Indeterminate=INDET
RECORDED CODE (HALF METERS)	30 31 32		36		37 38		41		43		46	47 48		51		53 00		Indeter
AS RECORDED IN TABULATION (FEET)	20-22	23-25			26-32			22 40	25-40				41-48					
RANGE (METERS)	>5.75 to 6.25 >6.25 to 6.75	>6.75 to 7.25	3	to	to	to	to	to	>10.75 to 11.25	to		>12.25 to 12.75 >12.75 to 13.25	to	>13.75 to 14.25	2			
RECORD ED CODE (HALF METERS)	12	41.	CT	16	17	19	20	21	23.7	24		25 26		200	ì			
AS RECORDED IN TABULATION (FEET)	₽	1-2	3-4	/	5-6	7		8-9		10-11		12		13-16		17-19		
RANGE (METERS)	≤.25}	>.25 to .75}	>.75 to 1.25}		>1.25 to 1.75}	>1.75 to 2.25}		>2.25 to 2.75}		>2.75 to 3.25}		>3.25 to 3.75}		>3.75 to 4.25	6 0. 0	>4.75 to 5.25	0.43 (0 3.13)	
RECORDED CODE (HALF METERS)	00	01	0.5		03	04		0.5		90		20		80	3	10	1	

PERIOD: (PRIMARY) 1912-1969 (DVER-ALL) 1855-1969

TABLE 1

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENT	FREGUENCY	nF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	1.5	.0	.0	.0	.0	.0	.0	1.5	.0	1.5	.0	.0	1.1	.0	95.9
NE	. 8	. 3	. 3	.0	.0	.0	.0	1.5	.0	.6	2.3	.0	1.3	.0	94.5
E	.3	1.5	1.0	.0	.0	.0	.0	2.8	1.5	1.3	1.6	.0	3.6	.0	89.5
SE	. 9	2.4	1.2	.0	.0	.0	.0	4.5	.6	.9	2.1	.0	1.8	.0	90.5
S	1.3	1.4	1.8	.0	.0	.0	.0	4.5	1.2	2.9	1.3	.0	. 5	.0	90.3
SW	1.5	3.6	1.1	.0	.0	.0	.0	6.2	1.1	.6	.6	.0	1.1	.0	90.4
W NW	3.0	5.6	1.8	.0	.0	.0	.0	10.3	1.4	2.5	1.6	.0	2.3	.0	83.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	• 0	.0	.0	.0	.0	5.9	.0	.0	.0	.0	94.1
. TOT PCT	1.2	2.1	1.1	•0	•0	•0	.0	4.5	.9	1.5	1.4	.0	1.6	.0	90.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

					77.5										
			P	RECIPI	TATIO	Y TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00&03 06&09 12&15 18&21	1.8 1.0 1.7 1.0	2.2 1.5 2.9 1.7	1.2 .7 1.0 1.7	.0	.0	.0	.0	5.1 3.2 5.6 4.4	1.2 1.7 .2 .5	.6 .5 2.3 3.4	1.2 1.0 2.3 1.0	.0	2.4 2.0 1.4	.0 .0 .0	90.0 92.2 88.3 90.2
TOT PCT	1.4	2.1	1.1	.0	•0	.0	.0	4.7	.9	1.7	1.4	.0	1.6	.0	90.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

					C	NE WOE	146 . 51										
		WI	IN SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.3	1.8	1.4	.6	. 1	.0		4.2	12.5	5.8	8.3	3.3	3.1	1.5	3.8	2.6	5.8
NE	. 4	4.2	8.6	2.7	. 1	.0		16.1	15.1	19.6	13.6	16.2	15.0	14.9	14.4	18.1	14.0
E	.7	6.2	9.2		.0	.0		18.0	13.0	15.8	12.9	24.6	14.6	20.5	17.3	21.6	14.9
SE	.7	5.0	3 . A	.3		.0		9.8	10.3	8.7	9.2	9.0	10.2	11.2	8.9	11.7	9.3
S	1.2	8.7	5.5	1.0		.0		16.4	10.6	16.0	13.8	15.7	12.8	19.4	16.9	17.4	16.9
SW	. 9	6.4	8.0			.0		18.7	14.4	15.7	18.9	17.1	21.6	19.7	22.4	16.7	20.9
W	. 7	3.6	5.4					12.1	14.9	12.5	14.3	11.5	18.0				
NW	.4	1.8	. 9			.0		3.3	10.0	4.4							3.3
VAR	.0	.0	.0			.0		.0	.0	.0	.0	.0	.0		.0	.0	.0
CALM	1.4	• •	• 0		••	• 0		1.4	.0	1.4	2.8	.7	.0	1.0	2.2		
TOT UBS	167	951	1077	291	29		2516		12.9	502	283	291	213	495	225	281	
TOT PCT	6.6	37.8	42.8	11.6		*	2310	100.0				100.0					

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT	MEAN SPD	00	06 09	12 15	18 21
N NE	1.0	1.8	1.2	.1	.0		4.2	12.5	17.5	3.2	2.2	4.0
	2.9	9.6	5.3	.1	.0		18.0	13.0	14.8	20.3	19.5	18.6
S E	2.6	5.9	1.3		.0		9.8	10.3	8.9	9.5	10.5	10.7
S	4.4	9.3	2.4	.3	.0		16.4	10.6	15.2	14.5	18.6	17.2
SW	2.7	9.0	5.5	1.4	. 1		18.7	14.4	16.8	19.0	20.5	18.6
W	2.3	5.2	3.3	1.1	. 2		12.1	14.9	13.2	14.2	10.4	10.9
NW	1.2	1.7	.3	. 1	.0		3.3	10.0	5.1	3.1	2.1	2.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4				100		1.4	.0	1.9	. 4	1.4	1.4
TOT DAS	508	1253	651	94	10	2516		12.9	785	504	721	506
TOT PCT	20.2	49.8	25.9	3.7	. 4		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1912-1969 (OVER-ALL) 1855-1969

TABLE 4

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (34-47	48+	MEAN	PCT	TOTAL
00603	1.9	5.6	38.6	40.8	12.1	1.0	.0	12.6	100.0	785
90300	.4	4.4	34.7	47.0	12.1	1.4	.0		100.0	504
12615	1.4	5.4	37.2	43.3	11.2	1.4	. 1		100.0	721
18621	1.4	5.5	40.5	41.1	10.7	.8	.0		100.0	506
TOT	34	133	951	1077	291	29	1	12.9		2516
PCT	1.4	5.3	27 B	42 B	11.6	1.2			100.0	

TABLE 5

P	CT FRE			CLOUD A		EIGHTHS)			PERCEN	TAGE F	REQUEN	CY DF	CEILIN NH <5/	G HEIG	HTS (T,NH	>4/8) DN	
WNO DIR	0-2	3-4	5-7	8 & 08500	TOTAL OBS	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000	3500 4999	5000 6499		8000+	NH <5/8 ANY HGT	TOTAL
N	1.4	.4	. 8	.5		3.7	.0	.0	.0	.0	. 2	. 2	.1	.0	.0	.1	2.4	
NE	8.3	2.5	5.3	2.2		3.6	.0	.0	.0	. 8	2.1	1.9	. 4	. 2	.1	.1	12.6	
E	6.5	2.9	7.9	4.6		4.6	.0	.0	.0	1.5	3.2	2.7	1.7	. 4	.0	. 4	12.0	
SF	2.1	1.8	3.3	2.7		5.0	.1	.0	.0	. 3	2.3	1.8	. 5	. 1	.0	*	4.7	
S	2.9	3.1	7.2	3.5		5.1	.0	.0	.0	1.0	3.8	2.7	1.1	. 4	.1	.0		
SW	5.3	3.6	4.6	3.8		4.4	.0	.0	. 2	1.0	2.2	2.4	1.1	. 1	.0	.0	10.2	
W	3.1	1.8	3.7	1.4		4.2	.0	.0	.0	.1	1.8	1.1	. 3		.0	.0	6.5	
NW	.4	.6	.6	. ?		4.3	.0	.0	.0	.0	.4	. 1	.1	.0	.0	.0	1.2	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 5	.1	.2	. 3		3.8	.0	.0	.0	. 3	.1	.0	.0	.0	.0	.1	.6	
TOT OBS	316	173	348	198	1035	4.4	1	0	2	52	167	135	54	14	2	7	601	1035
TOT PCT	30.5	16.7	33.6	19.1	100.0		.1	.0	.2	5.0	16.1	13.0	5.2	1.4"	.2	.7	58.1	100.0

TABLE 7

CUMULATIVE PO	T FREO	OF	SIMULTA	ANEOUS	DCCURR	ENCE
OF CETLING						

					VSBY (NM	1)			
CI	FILING	- OR	- OR	= DR	= OR	= DR	- DR	- DR	= DR
(1	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	.7	.8	.8	.8	. 8	. 8	.8	.8
OR	>5000	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2
DR	>3500	6.6	7.4	7.4	7.4	7.4	7.4	7.4	7.4
DR	>2000	18.3	20.3	20.4	20.4	20.4	20.4	20.4	20.4
OR	>1000	30.9	35.8	36.4	36.4	36.4	36.4	36.4	36.4
OR	>600	34.4	40.6	41.3	41.3	41.3	41.3	41.3	41.3
DR	>300	34.5	40.8	41.5	41.5	41.5	41.5	41.5	41.5
DR	>150	34.5	40.8	41.5	41.5	41.5	41.5	41.5	41.5
OR	> 0	34.5	40.9	41.6	41.6	41.6	41.6	41.6	41.6
	TOTAL	367	435	442	442	442	442	442	442

TOTAL NUMBER OF OBS: 1063 PCT FREQ NH <5/81 58.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 14.6 15.5 10.7 9.6 7.4 8.1 8.4 10.3 15.3 .0 1156

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								JA	NUAKI					
PERIOD:	(PRIMARY) 1 (OVER-ALL) 1	912-1969 855-1969						TA	8LE 8				ARE	4 0016 ESPERANCE BAY S 35.45 120.6E
			Р	ERCENT	FREC PREC	OF WIN	D DIRE	CTION TH VAR	VS DCC	URRENC	E OR N	IBILII	URRENC	E OF
	VSBY (NM)		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	<1/2	NO PCP	.0	. 1	. 1	.0	.0	.0	.0	.0	.0	.0	. 2	
		TOT %	• 0	• 1	. 1	.0	.0	.0	.0	.0	.0	.0	.2	
		PCP	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	
	1/2<1	NO PCP	.0	. 2	. 2			.0	. 1	.0	.0	.0	.7	
		TOT %	.0	. 2	.2	.2	. 1	. 1	. 1	.0	.0	.0	. 8	
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	1<2	NO PCP	.0	• 1	.1	. 1	. 1	.1	. 1	. 1	.0	.0	.7	
		TOT \$	•0	• 1	.1	. 1	. 1	• 1	. 1	. 1	.0	.0	.7	
		PCP	• 0	.1	.1	.0	.0	.1			.0	.0	.3	
	2<5	NO PCP	• 1	• 1	.1	.0	.0	• 1	.1	.0	.0	.0	:4	
		TOT #	• 1	• 2	.2	.0	.0	. 2	.1		.0	.0	.7	
		PCP	• 1	.2	.3	.3	. 6	.9	.7	.2	.0	.0	3.2	
	5<10	NO PCP	1.9	5.6	5.2	2.5	6.2	7.4	3.8	1.3	.0	.3		
		TOT *	2.0	5.8	5.5	2.8	6.8	8.3	4.5	1.4	.0	. 3	37.5	
		PCP	.0	.0	.1	. 1	.1	.1	.4	.0	.0	.0	.8	
	10+	NO PCP	1.8	11.0	12.9	5.3	10.5	9.5	5.8	. 9	.0	.6	59.3	
		TOT %	1.8	11.0	13.0	6.4	10.6	9.6	6.2	.9	.0	.6	60.2	
		TOT OBS												1775
		TOT PCT	3.8	17.4	19.1	9.5	17.6	18.3	10.9	2.4	.0	1.0	100.0	

TABLE 9

SBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TUTAL
NM)	KTS		_	_									DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2	4-10	.0	.0	. 1	.0	.0	.0	.0	.0	.0		. 1	
	11-21	.0	• 1	.0	.0	.0	.0	.0	.0	.0		. 1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 1	. 1	.0	.0	.0	.0	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
/2<1	4-10	.0	.0	. 1	. 2	*	.0	.0	.0	.0		. 3	
	11-21	.0	. 1	. 1	.0	. 1	.1	.0	.0	.0		.2	
	22+	.0	. 2	.0	.0	.0	.0	.1	.0	.0		. 2	
	TOT %	.0	• 2	. 2	.2	. 1	. 1	. 1	.0	.0	.0	.7	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	. 1	. 1	*	*	.1	. 1	.0		. 4	
	11-21	.0	. 1	*	.0	. 1	. 1	.0	.0	.0		.3	
	22+	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 1	. 1	. 1	. 1	. 1	.1	.1	.0	.0	.6	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	• 1	.0	.0	.0	. 1	.1		.0		.2	
	11-21	. 1	.0	.1	.0	*	. 2		.0	.0		.4	
	22+	.0	• 1	. 1	.0	.0	. 1	.0	.0	.0		.2	
	TOT %	.1	• 2	. 2	.0	*	. 3	.1	•	.0	.0	.8	
	0-3	.2	. 1	.4	. 3	. 5	.5	. 1	. 3	.0	.3	2.8	
5410	4-10	.7	1.7	1.6	. 8	3.1	2.6	1.1	. 5	.0		12.2	
	11-21	. 8	2.7	2.5	1.1	2.1	3.1	2.1	. 4	.0		14.8	
	22+	.3	1.0	.7	. 3	. 6	1.7	. 8	.1	.0		5.5	
	TOT %	1.9	5.5	5.2	2.6	6.3	7.8	4.2	1.4	.0	.3	35.2	
	0-3	.1	.5	.3	.4	.4	.4	.4	.1	.0	.7	3.1	
10+	4-10	1.1	2.5	4.5	3.6	6.1	4.2	2.0	. 8	.0		24.7	
	11-21	. 5	6.6	7.2	2.5	3.7	5.1	3.2	. 3	.0		29.1	
	22+	.3	1.4	1.0	. 1	.6	1.2	.9	.1	.0		5.5	
	TOT %	2.0	10.9	13.0	6.6	10.7	10.8	6.5	1.2	.0	.7	62.5	
	TOT DAS												1921
	TOT PCT	3.9	17.0	18.7	9.5	17.2	19.1	10.9	2.7	.0	1.0	100.0	

JANUARY

PERIOD:	(PRIMARY)	1912-1969
	(DVER-ALL)	1855-1969

TABLE 10

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENT	FREQUENCY	DF C	EILING	HEIGHTS	(FEET, NH	>4/81	AND
				H <5/8 8			

HDUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
60300	.3	.0	.0	6.3	19.1	16.0	5.9	1.4	.3	1.0	50.3	49.7	288
06609	.0	.0	•0	3.1	12.0	11.3	6.2	1.7	.0	.7	35.1	64.9	291
12615	.0	.0	.7	4.1	16.4	10.8	2.6	1.1	.4	.4	36.4	63.6	269
18821	.0	.0	.0	5.3	13.6	11.7	5.3	.8	.0	.4	37.1	62.9	264
TOT PCT	.1	.0	.2	52 4.7	170 15.3	139	56 5.0	1.3	.2	.6	443 39.8	669	1112 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	AND/DR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	. 2	.4	1.1	.7	40.4	57.3	557	60300	.4	.4	7.5	44.3	48.2	280
06609	.0	.7	.5	1.2	27.5	70.1	432	90300	.0	.0	4.0	33.0	63.0	276
12615	.4	1.2	. 9	1.1	42.3	54.2	565	12815	.0	.8	6.3	32.5	61.2	255
18621	.0	.7	.5	•2	28.8	69.8	434	18621	.0	.0	6.0	32.9	61.1	252
TOT PCT	.2	15	15	16	708 35.6	1231	1988	PCT	.1	.3	63 5.9	381 35.8	619 58.2	1063

TABLE 13

TABLE 14

						•									. 400					
	PERC	ENT FRE	OUENCY	Y OF RE	LATIVE	HUMI	OITY E	TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTIO	N BY T	E MP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
75/79	.0	.0	.0	.1	.0	.2	.0	.0	3	. 2	.0	.1		.0	. 1	.0	.0	.0	.0	.0
70/74	.0	.0	.0	. 2	1.3	.6	1.3	.3	48	3.8	. 2	. 8	. 7	. 2	. 5	.4	. 7	. 2	.0	. 1
65/69	.0	.0	. 1	1.3	4.5	9.2	17.6	8.9	524	41.6	2.0	10.4	10.4	3.1	4.5	6.2	4.0	1.0	.0	.0
60/64	.0	.0	. 2	2.6	12.6	14.3	14.0	5.9	625	49.6	1.0	5.8	8.3	6.0	11.0	9.8	6.0	.6	.0	. 9
55/59	.0	.0	.0	.5	1.3	1.0	1.7	.4	61	4.8	- 1	. 1	.4	. 5	2.0	1.3	. 2	.0	.0	. 2
TOTAL	0	0	3	59	249	318	436	196	1261	100.0										
PCT	.0	.0	. 2	4.7	19.7	25.2	34.6	15.5			3.3	17.2	20.0	9.8	18.1	17.7	10.9	1.8	.0	1.2

TABLE 15

TABLE 16

	MEANS,	EXTREME	SAND	PERCEN	TILES	OF TEM	P (DE	G F) 1	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00603	76	72	69	64	59	58	56	64.4	768
90300	77	75	72	66	61	59	55	66.0	489
12615	73	71	58	63	59	57	55	63.4	723
18621	71	68	67	63	58	57	55	62.6	517
TOT	77	72	69	64	59	57	55	64.1	2497

JANUARY

PERIOD: (PRIMARY) 1912-1969 (QVER-ALL) 1855-1969

TABLE 17

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	53	57	61	65	69	73	TOT	W	WD
THP DIF	56	60	64	68	72	76		FUG	FOG
11/13	.0	.0	0	.1	.0	.0	1	.0	• 1
9/10	.0	.0	.0	.0	.1	. 2	4	.0	. 3
7/8	.0	.0	.0	.1	.5	. 2	12	. 1	. 7
6	.0	.0	.0	. 1	.5	.0	10	.0	.6
5	.0	.0	.0	.6	. 8	.1	23	. 1	1.4
4	.0	.1	.0	1.2	1.3	.0	39	.0	2.5
3 2	.0	.0	.3	3.0	1.0	. 1	69	.0	4.5
2	.0	.0	. 8	4.9	1.1	. 1	105	.2	6.6
1	.0	.0	3.4	8.8	.6	.0	197	. 3	12.5
0	.0	. 3	7.4	7.9	.5	.0	248	. 4	15.7
1 0 -1	.0	. 6	8.8	5.4	.1	.0	229	. 3	14.6
-2	.0	1.5	9.1	3.7	.0	.0	220	. 2	14.1
-3	.0	1.4	6.0	1.7	.0	.0	140	.1	9.0
-4	. 1	2.5	3.9	. 7	.0	.0	111	.0	7.2
-5	. 8	1.6	2.5	.4	.0	.0	71	.0	4.6
-6	.1	1.0	.9	. 1	.0	.0	32	.0	2.1
-7/-8	.0	. 8	.5	.0	.0	.0	21	.0	1.4
-9/-10	. 1	. 1	.2	.0	.0	.0	6	.0	. 4
-11/-13	.0	.0	.0	. 1	.0	.0	1	.0	. 1
TOTAL	4		675		102			24	1515
		155	-	593		10	1539	-	
PCT	. 3		43.9	38.5	6.6	.6	100.0	1.6	98.4

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	. 2	.5	.0	.0	.0	.0	.7	.2	. 5	.0	.0	.0	.0	. 7
1-2	.0	. 6	.0	.0	.0	.0	.6	• 2	1.8	. 8	.0	.0	.0	2.7
3-4	.0	.4	.2	.2	.0	.0	. 7	.0	1.5	3.7	.0	.0	.0	5.1
5-6	.0	. 2	.7	. 3	• 0	.0	1.2	.0	. 4	4.6	. 3	.0	.0	5.4
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	. 2	.0	.0	1.8
8-9	.0	.0	.1	.3	.0	.0	. 4	.0	.0	. 2	.3	.0	.0	.5
10-11	.0	.0	.0	.0	.2	.0	. 2	.0	.3	,4	.0	.0	.0	.7
12	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.3	.0	.0	. 3
13-16	.0	.0	.0	.0	.0	• 0	.0	• 0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	• 0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	• 0	. C	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	• 0	• 0	.0	• 0	.0	.0	.0	. 2	.0	. 2
26-32	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	• 0	.0	.0	• 0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	. 2	1.7	1.0	.8	• 2	•0	3.8	.3	4.6	11.3	1.2	. 2	.0	17.5
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	. 2	1.5	.2	.0	.0	.0	1.8			.0	.0	.0	.0	.1
1-2	.0	2.5	2.3	.0	.0	.0	4.8	.5	2.2	.3	.0	.0	.0	3.0
3-4	.0	1.7	4.1	.5	.0	.0	6.3	•0	1.5	2.4	.0	.0	.0	3.9
5-6	.0	. 3	5.0	.0	.0	.0	5.3	.0	.7	1.7	.0	.0	.0	2.4
7	.0	.0	2.0	.3	.0	.0	2.3	.0	.0	. 2	.0	.0	.0	. 2
8-9	.0	.0	.0	.7	.0	.0	. 7	.0	. 2	. 3	.0	.0	.0	.5
10-11	.0	.0	.2	.0	.0	.0	. 2	.0	.0	.0	.2	.0	.0	. 2
12	.0	.0	.0	.2	.0	.0	. 2	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.3	.0	.0	.0	.0	.3	• 0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	. 2	6.3	13.8	1.7	.0	.0	22.0	. 5	4.6	5.0	.2	.0	.0	10.3

RIND: (OVER-ALL) 1963-1969

TAPLE 16 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				5							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.1	. 8	.0	.0	.0	.0	. 9	.0	. 8	.0	.0	.0	.0	. 8	
1-2	.3	3.5	1.2	.0	.0	.0	5.0	.1	2.8	.4	.0	.0	.0	3.3	
3-4	.0	3.1	3.2	.0	.0	.0	6.3	.0	2.3	3.6	.1	.0	.0	6.0	
5-6	.0	.7	2.0	.3	• 0	.0	3.0	.0	.5	8.5	.2	.0	.0	3.5	
7	.0	.0	.3	.0	.0	.0	. 3	.0	. 2	1.2	. 7	.0	.0	2.2	
8-9	.0	.0	.2	. 4	.0	.0	.6	.0	.0	. 5	. 2	.0	.0	.7	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 3	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	*	
20-22	.0	.0	.0	.0	• ()	.0	• 0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	,0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	
TOT PCT	. 4	8.1	6.9	,7	.0	.0	16.1	.1	6.6	8.5	1.6	.0	.0	16.9	
	•														
				w							NW				TOTAL
HGT	1-3	4-10	11-21		34-47					11-21	22-33				
<1							PCT	1-3	4-10		22-33	34-47	48+	PCT	PCT
1-2	- 0	. 5		22-33		48+	PCT	1-3	4-10		.0	.0	.0	.0	PCT
	.0	.5	.0	.0	.0	• 0	. 5	.0	.0	.0	.0	.0	.0	.0	PCT
	.1	1.5	.0	.0	.0	.0	1,7	.0		.0	.0	.0	.0		PCT
3-4	.1	1.5	2.5	.0	.0	.0	1.7 3.7	.0	.0	.0	.0	.0	.0	.0	PCT
3-4	.0	1.5	.0 .1 2.5 1.3	.0	.0	.0	.5 1.7 3.7 2.2	.0	.0	.0	.0	.0	.0	1.0	PCT
3-4 5-6 7	.0	1.5	.0 .1 2.5 1.3	.0	.0	.0	.5 1.7 3.7 2.2 1.2	.0	.0	.0.2.5	.0 .0 .0	.0	.0	1.0	PCT
3-4 5-6 7 8-9	.0	1.5 .9 .3 .1	.0 .1 2.5 1.3	.0	.0 .0 .0 .0	.0	.5 1.7 3.7 2.2 1.2	.0	.0	.0	.0	.0	.0	1.0	PCT
3-4 5-6 7 8-9 10-11	.0	1.5 .9 .3 .1 .0	.0 .1 2.5 1.3 .4	.0 .2 .6 .4 .0 .3	.0	.0	1.7 3.7 2.2 1.2	.0	.0	.0 .2 .5 .2	.0	.0	.0	1.0	PCT
3-4 5-6 7 8-9 10-11 12	.0	1.5 .9 .3 .1 .0	.0 .1 2.5 1.3 .4 .2	.0 .2 .6 .4 .0 .3 .0	.0	.00.00	1.7 3.7 2.2 1.2 .2	.0	.0	.0 .2 .5 .2 .0 .0 .0	.0	.0	.0	1.0	PCT
3-4 5-6 7 8-9 10-11 12	.0	1.5 .9 .3 .1 .0 .0	.0 .1 2.5 1.3 .4 .2 .0	.0	.0	.0	1.7 3.7 2.2 1.2 .2 .5	.0	.024000000	.0	.0	.0	.0	1.0	PCT
3-4 5-6 7 8-9 10-11 12 13-16 17-19	.0	1.5	.0 .1 2.5 1.3 .4 .2 .0 .0	.0 .2 .6 .4 .0 .3 .0 .2 .3	.0	.0	1.7 3.7 2.2 1.2 .2 .5	.0	.02400000000	.0 .2 .5 .2	.0	.0	.0	.0 4 1.0 .3 .1 .0 .0	PCT
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	.0	1.5 .9 .3 .1 .0 .0	.0 .1 2.5 1.3 .4 .2 .0 .0	.0 .0 .2 .6 .4 .0 .3 .0 .2 .3 .0	.0	.0	1.7 3.7 2.2 1.2 .5 .5	.0	.024000000	.0 .2 .5 .2 .0 .0 .0 .0 .0 .0 .0	.0	.0	.00000000000000000000000000000000000000	1.0	PCT
3-4 5-6 7 8-9 10-11 12 13-14 17-19 20-22 23-25	.0	1.5 .9 .3 .1 .0 .0 .0	.0 .1 2.5 1.3 .4 .2 .0 .0	.0 .0 .2 .6 .4 .0 .3 .0 .2 .3 .0 .0	.0	.0	.5 1.7 3.7 2.2 1.2 .5 .2 .5	.0	0240000000000	.0 .2 .5 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00000000000000000000000000000000000000	.0	.00000000000000000000000000000000000000	1.0	PCT
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.0	1.5	.0 .1 2.5 1.3 .4 .2 .0 .0 .0	.00.20	.0	.0	.5 1.7 3.7 2.2 1.2 .5 .5 .3	000000000000000000000000000000000000000	02400000000000	.0 .2 .5 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00000000000000000000000000000000000000	.0	.00000000000000000000000000000000000000	1.0	PCT
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	.0	1.5	.0 .1 2.5 1.3 .4 .2 .0 .0 .0 .0	.00264	.0	.00000000000000000000000000000000000000	.5 1.7 3.7 2.2 1.2 .5 .2 .5 .3	.0	0240000000000	.0 .2 .5 .20 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00000000000000000000000000000000000000	.0	.00000000000000000000000000000000000000	1.0	PCT
3-4 5-6 7 8-9 10-11 12 13-14 17-19 20-22 23-25 26-32 33-40 41-48	.00000000000000000000000000000000000000	1.5	.0 .1 .2 .5	.00.26.40.30.00.00.00	.0	.0	1.7 3.7 2.2 1.2 .5 .3 .0	000000000000000000000000000000000000000	.0 .2 .6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .2 .5 .2	.0002	.0		1.00.00.00.00.00.00	PCT
3-4 5-6 7 6-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	.1	1.5	.0 1 2.5 1.3 4 .2 .0 .0 .0 .0 .0 .0	.002.664.03.000.000.000.000.000.000.000.000.000	.0	.00000000000000000000000000000000000000	1.7 2.2 1.2 1.2 .5 .2 .5 .0 .0	.0	0240000000000000	.0 .2 .5 .2	***************************************	.0	000000000000000000000000000000000000000	1.03	PCT
3-4 5-6 7 8-9 10-11 12 13-14 17-19 20-22 23-25 23-40 41-48 49-60 61-70	.10000000000000000000000000000000000000	1.5	.00 .1 2.55 1.34 .2 .00 .00 .00 .00 .00 .00 .00 .00 .00	00264	.0	000000000000000000000000000000000000000	1.7 3.7 2.2 1.2 .2 .5 .0 .0	000000000000000000000000000000000000000	.0 .2 .6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .2 .5 .2	.0002			1.00	PCT
3-4 5-6 7 8-9 10-11 12 13-14 17-19 20-22 23-25 26-32 33-40 61-70 71-86		1.5	.00 .1 2.5 1.3 1.4 .2 2.0 .0 0.0 .0 0.0 0.0 0.0 0.0 0.0 0.	.00	.0		1.7 2.2 1.2 1.2 .5 .0 .0 .0	000000000000000000000000000000000000000	.0 .2 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00.00	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	000000000000000000000000000000000000000	000000000000000000000000000000000000000	.04	PCT
3-4 5-6 7 8-9 10-11 12 13-14 17-19 20-22 23-25 23-40 41-48 49-60 61-70	.10000000000000000000000000000000000000	1.5	.00 .1 2.55 1.34 .2 .00 .00 .00 .00 .00 .00 .00 .00 .00	00264	.0	000000000000000000000000000000000000000	1.7 3.7 2.2 1.2 .2 .5 .0 .0	000000000000000000000000000000000000000	.0.2.4.0.000000000000000000000000000000	.0 .2 .5 .2	.0		000000000000000000000000000000000000000	1.0	99.3

WIN	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
0-3	4~10	11-21	22-33	34-47	48+	PCT	TOT
1.8	4.6	. 2	.0	.0	.0	6.6	203
1.2	14.9	5.3	.0	.0	.0	21.3	
.0	12.1	19.8	1.0		.0	32.9	
.0	3.1	18.2	2.0	.0	.0	23.3	
.0	. 3	5.8	1.7		.0	8.1	
.0	.2	1.5	2.0	.0	.0	3.6	
1 .0	.3	.7	. 8	. 3	.0	2.1	
.0	.0	.0	.5	. 2	.0	.7	
6 .0	.0	. 3	.2	.0	.0	.5	
9 .0	. 3	.0	. 3	.0	.0	.7	
2 .0	.0	.0	.0	.0	.0	.0	
5 .0	.0	.0	.0	. 2	.0	. 2	
2 .0	.0	.0	.0	.0	.0	.0	
0 .0	.0	.0	.0	.0	.0	.0	
8 .0	.0	.0	.0	.0	.0	.0	
0 .0	.0	.0	.0	.0	.0	.0	
0 .0	.0	.0	.0	.0	.0	.0	
				.0			
					.0		
							605
CT 3.0	35.9	51.7	8.4	1.0	.0	100.0	
• .0	.0	.0	.0	.0	.0	1	.0

PERIND: (QVER-ALL) 1949-1969 TABLE 19

PERCENT FREQUENCY OF MAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.0	3.7	6.0	4.3	1.9	1.2	.6	. 2	. 1	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	161	4
6-7	.0	.0	4.2	7.1	5.4	3.0	2.0	1.3	.6	.0	. 2	.0	. 2	. 2	.0	.0	.0	.0	.0	209	7
8-9	.0	.0	1.7	4.9	10.2	6.0	5.9	.5	1.3	. 5	. 2	. 1	.0	.0	.0	.0	.0	.0	.0	275	8
10-11	.0	. 1	. 8	. 9	3.0	3.4	1.6	.6		. 2	.1	.0	.1	.0	.0	.0	.0	.0	.0	103	9
12-13	.0	.0	. 1	. 3	. 5	1.5	.9	1.2	. 7	. 3	. 3	. 1	.0	.0	.0	.0	.0	.0	.0	52	11
>13	.0	.0	.0	. 2	. 2	. 1	.6	- 2	. 1	.0	. 2	.0	.0	.0	.0	.0	.0	.0	.0	15	10
INDET	.6	. 6	1.0	1.7	1.5	.6	.1	. 1	- 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	54	5
TOTAL	14	34	120	168	196	136	101	35	33	10	10	.2	3	. 2	0	0	.0	.0	0	100.0	7

FEBRUARY

PERIOD:	(PRIMARY) (DVER-ALL)	1909-1969 1855-1969

TABLE 1

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENT FREQUENCY	DF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNDW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N_	1.1	2.3	.6	.0	.0	.0	.0	4.0	.0	2.6	.6	.0	.9	.0	92.0
NE	1.3	.0	1.4	.0	.0	.0	.0	2.4	.6	2.9	1.4	.0	2.2	.0	90.6
E	2.7	.3	1.7	.0	.0	.0	.0	4.4	.3	. 8	1.3	.0	.7	.0	92.7
E SE	4.5	2.3	2.1	.0	.0	.0	.0	8.0	1.2	1.0	.0	.4	1.1	.0	88.3
S	. 9	3.0	1.6	.0	. 0	.0	.4	5.9	.7	. 4	2.2	.0	.6	.0	90.2
SW	.7	4.0	.8	.0	.0	.0	.0	5.6	.7	. 3	1.8	.0	1.1	.0	90.5
W	.5	7.1	1.2	• 0	.0	.0	.0	8.8	2.3	.0	3.4	.0	2.3	.0	83.2
NW	2.2	.0	2.2	.0	.0	.0	.0	4.5	.0	.0	1.1	.0	1.1	.0	93.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT TOT OBS:	1.8	2.2	1.4	•0	•0	.0	.1	5.2	.7	1.1	1.5	•1	1.2	.0	90.2

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WD PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	
00£03 06£09 12£15 18£21	2.1 1.4 1.5 1.8	2.5 1.9 1.6 2.5	2.1 .5 1.5 1.4	.0	•0	.0	.0	6.4 3.5 4.6 5.7	.6 .7 .9	.2 .0 1.1 3.2	1.6 1.2 1.8 1.4	.0	2.1 1.6 1.3	.0	89.1 93.1 90.3 88.6
TOT PCT TOT DBS:	1.7	2.1	1.4	.0	•0	.0	•1	5,1	.8	1.1	1.5	.1	1.3	.0	90.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	OTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.4	1.9	1.9	.7		.0		4.9	13.2	5.7	5.3	6.0	3.7	3.5	5.6	4.4	5.3
NE	.6	5.7	8.5	3.6	. 2	.0		18.6	15.2	21.1	15.5	20.2	15.0	17.5	18.0	20.0	20.0
E	1.1	7.0	9.4	1.8	.1	.0		19.4	12.8	15.5	15.4	19.5	21.5	22.8	19.9	23.2	17.9
SE	.6	5.8	5.3	. 6	.0	.0		12.3	11.2	12.1	9.2	15.2	9 . 1	14.8	10.3	14.5	9.9
S	1.0	7.7	5.6	1.0		.0		15.4	11.1	15.7	15.0	17.0	15.8	15.2	14.3	16.2	13.7
SW	.5	6.4	7.1	2.8	. 2	.0		16.9	13.9	14.7	22.8	12.6	22.8			11.2	
W	.4	3.5	3.3	1.6	.1	.0		8.8	13.8	8.8	12.2	6.7	10.4	8.4	8.1	6.9	8.9
NW	. 2	1.1	.7	.2		.0		2.2	10.7	4.2			. 8	. 5	1.2		
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	2.1	1.3	.0	. 8	1.5	2.4	2.0	2.3
TOT DBS	168	1062	1129	334	19	0	2712		12.8	518	314	297	241	534	252	299	257
TOT PCT	6.2	39.2	41.6		.7	.0		100.0			100.0	100.0				100.0	

TABLE 3A

		WIND	SPEED	(KNOTS)						HOUR	(GMT	1
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	1.8
						OBS	FREQ	SPO	03	09	15	21
N	1.1	2.0	1.5	.3	.0		4.9	13.2	5.5	5.0	4.2	4.8
NE	2.6	7.5	7.3	1.2	.0		18.6	13.2	19.0	17.9	17.6	20.0
E	3.4	10.2	5.2	.6			19.4	12.8	15.5	20.4	21.9	20.7
SE	2.8	7.3	2.0	.1	.0		12.3	11.2	11.0	12.5	13.4	12.4
5	4.3	7.9	2.9	.3	.0		15.4	11.1	15.5	16.4	14.9	15.1
SW	3.2	7.6	4.9	1.2			16.9	13.9	17.8	17.2	17.2	15.2
W	1.8	3.8	2.6	.6	.0		8.8	13.8	10.1	8.4	8.3	7.8
NW	. 8	. 8	.5		.0		2.2	10.7	3.9	1.9	. 8	1.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	1.8	.4	1.8	2.2
TOT GRS	586	1275	732	118	1	2712		12.8	832	538	786	556
TOT PCT	21.6	47.0	27.0	4.4			100.0			100.0	100.0	100.0

PERIOD: (PRIMARY) 1909-1969 (DVER-ALL) 1855-1969

TABLE 4

AREA 0016 ESPERANCE BAY 5 35.4\$ 120.6E

PERCENTAGE	ERECHENCY	OF	WIND	SPEED	BY	HOUR	(GMT)

		-		0.00						
HOUR	CALM	1-3	4-10	WIND 11-21	2	34-47	48+	MEAN	PCT	OBS
00603 06609 12615 18621 TOT	1.8 1.8 2.2 43	5.9 3.3 4.6 4.0 125	40.9 36.8 38.2 40.3 1062	40.4 44.4 42.0 40.3 1129	10.3 14.3 13.0 12.4 334	.7 .7 .5 .9	.00000	13.7		832 538 786 556 2712
007		4 6	20 2	41 4	12.2	. 7	.0		100.0	

			1 44	ore a														
0	CT FRE	0 ne T	TAL C	LITTED A	MOUNT	E IGHTHS)		1					CEILIN					
				DIREC						AND DC	CURREN	CE DF	NH <5/	8 BY W	IND DI	RECTIC	IN	
WND DIP	0-2	3-4	5-7	8 & 08500	TOTAL	MEAN CLOUD COVER	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000	6500 7999	8000+	NH <5/8 ANY HGT	
N	1.5	. 8	1.4	.4		3.8	.0	.0	.0	.0	.4	.5	.2	.0	.1	.0	2.8	
			4.2	3.1		3.5	.0	.0	. 1	. 7	2.5	1.5	. 8	• 1	.0	.0	14.2	
NE	9.0	3.6					.0	• 1	. 2	1.9	4.2	2.0	1.1		.0	. 2	10.0	
Ε	5.3	2.0	6.5	6.0		5.1		• •		2.3	3.9	2.4	1.0	. 2	. 1	. 1	5.4	
SE	1.2	2.0	6.3	5.8		6.1	.0		.3	. 9	3.2	2.9	1.5	. 3		.0	7.7	
S	3.2	3.3	6.6	3.8		5.1	.0	. 1		-				.3		. 2	6.2	
SW	2.2	3.0	5.1	2.3		5.0	.0	.0	.0	• !	2.1	1.8	1.3				3.7	
ŭ.,	1.6	1.5	2.6	1.7		5.0	.0	.0	. 2	. 5	1.2	1.2	. 5	. 1	.0	.0		
			1.4	.,		4.7	.0	.0	.0	. 2	. 1	.1	. 4	.0	.0	.1	1.7	
NW	.6	. 4					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0		.0				. 0	. 3	.3	.0	.0	.0	.0	. 8	
CALM	.5	.3	.5	. 1		3.4	.0	.0	.0	75	189	134	72	11	3	6	553	1054
TUT OBS	265	178	363	248	1054	4.8	0	2	7						.3	.6	52.5	100.0
TOT PCT	25.1	16.9	34.4	23.5	100.0		.0	. 2	. 9	7.1	17.9	12.7	6.8	1.0	. 9	. 0	36.3	100.0

TABLE 7

CUMUI ATTVE	PCT FREG	OF SIMULTANEOUS	DCCURRENCE
DE CETITI	NG HEIGH	(NH >4/8) AND V	SBY (NM)

				VSBY (NM	1)			
CEILING	• OR	• DR	- DR	= OR	= DR	- OR	• OR	· DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >4500	.7	.9	. 9	.9	.9	.9	.9	. 9
■ DR >5000	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0
■ DR >3500	7.6	9.0	9.0	9.0	9.0	9.0	9.0	9.0
■ DR >2000	19.3	21.5	21.5	21.5	21.5	21.5	21.5	21.5
■ DR >1000	34.6	39.0	39.3	39.3	39.3	39.3	39.3	39.3
• DR >600	40.3	45.8	46.2	46.3	46.3	46.3	46.3	46.3
■ DR >300	40.6	46.7	47.1	47.2	47.2	47.2	47.2	47.2
■ DR >150	40.8	46.9	47.3	47.4	47.4	47.4	47.4	47.4
• OR > 0	40.8	46.9	47.3	47.4	47.4	47.4	47.4	47.4
TOTAL	437	503	507	508	508	508	508	508

TOTAL NUMBER OF DBS: 1072 PCT FREQ NH <5/81 52.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	DBSCD	DBS
11.5	11.6	10.9	10.3	7.7	6.3	7.4	13.7	20.4	.0	1170

F	e	p	D	11	٨	٥	٧

								FEB	RUARY							
ERIND:	(PRIMARY) (OVER-ALL)	1909-1969 1855-1969						TA	BLF 8				ARE	4 0016 ES	PERANCE B	
			P	ERCENT	FREQ	OF WIN	D DIRE	CTION TH VAR	VS DCC	URRENC ALUES	E OR N	IBILI	URRENC	E OF		
	VSB)	1	N	NE	E	SF	S	SW	W	NW	VAR	CALM	PCT	TOTAL		
	<1/2	PCP NO PCP TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		PCP	•1	.0	.1	.0	.0	.0	.0	.0	.0	.0				
	1/2	TOT %	•0	•1	.1	.0	.0	•1	.1	.0	.0	.0	.3			
	1<2	PCP ND PCP	•0	•1	.1	.0	.0	•1	.0	.0	.0	.0	.2			
	• • •	TOT %	• 1	. 3	. 2	.1	. 1	• 2	.2	:	.0	.0	1.1			
	2<5	PCP NO PCP TOT %	•0	•1	.0	.1	.0	•0	.0	.0	.0	.0	.4			
	5<10	PCP NO PCP	• 1	6.6	5.9	.8	.7	.7	.5	.1	.0	.0	3.8			
	3010	TOT %	1.8	6.9	6.5	4.0	4.9	8.6	4.0	1.0	.0	:1	37.7			
	10+	PCP NO PCP TOT %	2.8	11.6 11.7	13.0 13.2	8.5 8.6	9.7	7.5 7.6	4.2	1.4	.0	.º	59.4 60.3			
		TOT OBS	4.7	19.1	20.1	12.9	14.9	16.5	8.7	2.4	.0	.8	100.0	1873		

TABLE 9

(NM)	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	203
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0		.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10		.0	.0	.0		*	.0	.0	.0		.1	
	11-21	.0	*		.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.1		.0	.0		. 1	
	TOT %		*	.1	.0		.1		.0	.0	.0	.4	
	0-3	.0	.0	.0	.0	.0	.0		.0	.0	.0		
1<2	4-10	.0		.0		.0	. 1	• 1	.0	.0		. 2	
	11-21	.0	• 1	.0	. 1		. 1			.0		.4	
	22+		• 1	. 1	.0	.0	.0	.0	.0	.0		. 3	
	TOT %		.3	. 1	. 1		.2	. 2	•	.0	.0	1.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0		.0			.0	*	.0	.0		. 2	
	11-21	.0	.0	.0			.0	.0	.0	.0			
	22+	.0	• 1	. 1	. 1	.0	.0		.0	.0		.3	
	TOT %	.0	. 1	. 1	. 2	*	•	. 1	.0	.0	.0	.5	
	0-3	.1	.2	.4	.3	.3	.3	. 2	. 2	.0		2.0	
5<10	4-10	.7	2.0	2.1	1.0	2.0	2.4	1.0	.4	.0		11.7	
	11-21	. 6	2.8	3.0	2.1	2.0	3.7	1.5	. 3	.0		15.8	
	22+	.3	1.3	.6	.3	.4	1.5	.9	•	.0		5.4	
	TOT %	1.7	6.3	6.1	3.6	4.7	7.8	3.6	.9	.0	•	34.9	
	0-3	.3	.3	.6	. 2	.7	.2	.1	. 1	.0	1.2	3,8	
10+	4-10	.9	3.4	4.7	4.4	5.3	3.5	2.0	.6	.0		24.9	
	11-71	1.1	5.6	7.3	3.9	3.9	3.2	2.0	.4	.0		27.5	
	22+	.5	2.7	1.2	. 2	.5	1.0	. 9	. 1	.0		7.1	
	TOT \$	2.8	12.1	13.8	8.7	10.4	8.0	5.0	1.3	.0	1.2	63.2	
1	TOT DAS												2051
1	OT PET	4.6	18.8	20.2	12.6	15.2	16.2	8.9	2.2	.0	1.3	100.0	

F	F	A	R	11	Δ	R	Y

PERIOD:	(PRIMARY)	1909-1969
	(DVER-ALL)	1855-1969

TABLE 10

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 34 9 9	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	.7	9.2	21.2	12.7	8.1	1.1	.0	1.1	54.1	45.9	283
06809	.0	.0	1.0	5.8	12.5	14.6	6.1	.7	.7	.0	41.4	58.6	295
12815	.0	.0	.4	5.8	16.7	9.4	6.2	.7	.4	.7	40.2	59.8	276
18821	.0	. 8	1.5	6.1	17.8	11.4	6.4	1.5	.4	.4	46.2	53.8	264
TOT	0	2	10	75	190	135	75	11	4	6	508	610	1118

TABLE 11

TABLE 12

		PERCENT	FREQUEN	ICY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
60300	.0	.5	1.9	.3	39.3	57.9	575	00603	•0	.7	10.3	45.8	44.0	273
06809	.0	.4	.7	.9	27.8	70.3	461	90300	.0	1.1	7.9	35.7	56.4	280
12615	.0	.5	1.0	. 8	40.2	57.5	609	12615	.0	.4	7.1	35.0	57.9	266
18821	.0	.0	.6	.0	32.3	67.1	465	18621	.0	2.4	8.7	39.5	51.8	253
TOT PCT	.0	.4	23	11	749 35.5	1319	2110	101 PCT	.0	12	91 8.5	418	563 52.5	1072

TABLE 13

					MOLE I	-				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	HUM!	DITY B	Y TEMP		-
10000									TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ
75/79	.0	.0	.0	.0	.0	.0	.1	.0	1	.1
70/74	.0	.0	:0	. 3	1.2	1.5	1.4	. 3	61	4.8
65/69	.0	.0	.1	1.2	5.0	12.9	20.7	12.6	673	52.5
60/64	.0	.0	.1	3.0	10.5	12.2	10.7	4.4	526	41.0
55/59	.0	.0	.0	.2	.6	.5	. 2	.0	19	1.5
50/54	.0	.0	.0	.0	.0	.0	. 1	. 1	2	.2
TOTAL	0	0	2	61	223	348	425	223	1282	100.0
PCT	.0	.0	.2	4.8	17.4	27.1	33.2	17.4		

TABLE 14

	PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	E MP	
N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	1:5	1.0	.0	.0	.0	.0	.0	.0	.0
2.7	13.2	13.2	8.9	5.1	6.5	4.6	1.8	.0	.7
.0	.0	•1	.3	.4	.6	.1	.0	.0	.0
3.9	18.3	21.9	14.3	14.0	15.0	9.0	2.4	.0	1.1

TAPLE 15

	MEANS,	EXTREMES	AND	PERCEN	TILES	OF TEM	PIDE	G F) B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00603	77	73	70	65	60	58	55	65.4	845
06609	77	74	72	67	62	59	54	66.6	538
12615	77	71	69	64	60	58	54	64.4	792
18821	73	70	68	64	60	58	52	63.9	567
TOT	77	73	70	65	60	58	52	65.0	2742

TABLE 16

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	VTIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	7.5	18.3	24.6	31.4	18.3	78	334
12615	.0	7.0	25.2	31.5	25.5	10.8	75	314
18621	.0	3.1	11.3	26.3	35.3	24.1	81	320
TOT	0	67	232	351	435	226	78	1311

FEBRUARY

PERIOD: (PRIMARY) 1909-1969 (DVER-ALL) 1855-1969

TABLE 17

AREA 00:6 ESPERANCE BAY S 35.45 120.6E

PCT	FREQ	OF	AIR	TEMPERATURE (DEG	F)	AND THE	DCCURRENCE	OF FO	G (WITHOUT	PRECIPITATION)
				VS AIR-SEA	TEM	PERATURI	DIFFERENCE	(DEG	F)	

AIR-SEA	49	53	57	61	65	69	73	77	TOT	W	WO	
TMP DIF	52	56	60	64	68	72	76	80		FOG	FOG	
11/13	.0	.0	.0	.0	.0	.0	.0	.1	1	.0	.1	
9/10	.0	.0	.0	.0	.0	. 1	.0	.0	1	.0	. 1	
7/8	.0	.0	.0	.0	. 1	. 1	.4	.0	10	.0	.6	
6	.0	.0	.0	.0	. 1	.2	.1	.0	7	.0	.4	
5	.0	.0	.0	.0	. 1	. 9	. 1	.0	19	.0	1.1	
5 4 3	.0	.0	.0	. 1	. 4	1.4	. 1	.0	19	.0	1.1	
3	.0	.0	.0	. 2	2.3	2.1	.0	.0	78	.0	4.6	
2	.0	.0	. 2	. 4	4.2	1.8	.0	.0	113	. 1	6.6	
1	.0	.0	.0	1.4	8.2	1.5	.0	.0	188	. 4	10.7	
0	.0	.0	. 2	3.4	12.4	.6	.0	.0	281	. 3	16.2	
1 0 -1	.0	.0	. 1	7.2	9.7	. 2	.0	.0	291	. 4	16.8	
-2 -3	.0	.0	. 4	7.2	6.1	.0	.0	.0	234	. 1	13.7	
-3	.0	.0	. 8	7.4	2.3	. 1	.0	.0	179	. 4	10.2	
-4	.0	.0	1.1	4.5	. 8	.0	.0	.0	109	. 1	6.3	
-5	.0	.1	. 7	2.9	. 2	.0	.0	.0	55	. 1	3.8	
-6	.0	.1	.5	1.6	.3	.0	.0	.0	42	.0	2.5	
-7/-8	.0	. 1	1.1	. 9	.1	.0	.0	.0	35	.0	2.1	
-9/-10	. 1	. 1	.4	. 1	.0	.0	.0	.0	10	.0	.6	
-11/-13	.0	.0	. 1	.1	.0	.0	13	.0	2	.0	.1	
TOTAL	1		91		803		13			29	1670	
		4		635		151		1	1699			
PCT	. 1	.2	5.4	37.4	47.3	8.9	. 8	.1	100.0	1.7	98.3	

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.0	.0	.0	• 0	.0	.6	.4	. 7	.0	.0	.0	.0	1.1
1-2	.1	. 8	. 2	.0	.0	.0	1.1	•	2.3	.6	.0	.0	.0	2.9
3-4	.0	. 2	.9	.0	• 0	.0	1.1	.0	1.5	2.5	.4	.0	.0	4.3
5-6	.0	.0	.3	.0	.0	.0	.3	.0	. 2	3,5	1.3	.0	.0	5.0
7	.0	. 1	. 1	.4	• 1	.0	. 8	.0	. 1	1.6	1.5	•	.0	3.2
8-9	.0	.0	.1	.4	.0	.0	.5	.0	. 2	.4	1.9	.0	.0	2.5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	1.3	.0	.0	1.5
12	.0	.0	.0	.1	.0	.0	. 1	• 0	.0	.0	.4	.0	.0	.4
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	. 2
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	. 7	1.1	1.6	.9	• 1	.0	4.4	.4	4.9	8.7	6.9		.0	21.0
HGT	1-3	4-10	11-21	£ 22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
<1	.8	4-10	.0	.0	.0	.0	1.2	.0	. 4	.0	.0	.0	.0	.4
1-2	.0	4.2	.6	.0	.0	.0	4.8	.0	3.2	.4	.0	.0	.0	3.6
3-4	.2	2.4	4.0	.1	.0	.0	6.7	.0	1.9	3.6	.0	.0	.0	5.5
5-6	.2	.6	4.0	. 8	.0	.0	5.5	.0		3.2	.1	.0	.0	3.8
7	. 0	.1	1.7	.8	.0	.0	2.6	.0	.0	.7	.2	.0	.0	.8
8-9	. 3	.0	.5	.6	.0	.0	1.1	.0	. 2	.0	.5	.0	.0	.6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24-32		. 0	- 0		.0	.0		- 0	.0	. 0	-0	. 0	- 0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40 41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40 41-48 49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40 41-48 49-60 61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40 41-48 49-60 61-70 71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40 41-48 49-60 61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

AREA 0016 ESPERANCE BAY 5 35.45 120.6E

TABLE 18 (CONT)

				PC	T FREO I	F WIND	SPEED	(KTS) AND DIREC	TION !	ERSUS S	EA HEIG	HTS (FT)			
				5							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.6	.6	.0	.0	.0	.0	1.3	.?	. 3	.0	.0	.0	.0	.5	
1-2	.2	2.3	. 8	.0	.0	.0	3.2	.0	1.9	.5	.0	.0	.0	2.4	
3-4	.0	2.7	2.7	.2	.0	.0	5.6	.0	.9	2.3	.1	.0	.0	3.2	
5-6	.0	.4	2.1	.6	.0	.0	3.1	.0	. 7	1.7	.6	.0	.0	3.0	
7	.0	.0	1.8	. 2	.0	.0	2.0	.0	.6	.6	.3	.0	.0	1.5	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.6	.3		.0	1.1	
10-11	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
12	.0	. 2	.0	.2	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.2	.0	.0	. 2	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86 87+	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	1.3	•0	.0		.2	4.6	5.6	.0	.0	.0	0	
TOT PCT	. 6	6.1	7.4	1.3	• 0	.0	15.6	• 2	4.0	5.0	1.4	•	.0	11.8	
				W							NW				TOTAL
HGT	1-3	4-10	11-21	W 22-33	34-47	48+	PCT	1-3	4-10	11-21	NW 22-33	34-47	48+	PCT	TOTAL
HGT <1	1-3	4-10	11-21		34-47	48+	PCT	1-3	4-10	11-21		34-47	48+	PCT	
				22-33							22-33				
<1	.2	.0	.0	22-33	•0	.0	.2	.0	.2	.0	22-33	.0	.0	.2	
<1 1-2	.2	1.4	.0	22-33	.0	•0	1.7	.0	.2	.0	22-33 .0	.0	.0	.7	
1-2 3-4	.0	1.4	.0	22-33	.0	.0	1.7 1.5 1.7	.0	.2	.0	.0	.0	.0	.7	
<1 1-2 3-4 5-6	.0	.0 1.4 .6	.0 .3 .7	22-33 .0 .0 .2 1.0 .2	.0	.0	1.7 1.5	.0	.2	.2	22-33	.0	.0	.2 .7 .5	
<1 1-2 3-4 5-6 7 8-9 10-11	.2	.0 1.4 .6 .0	.0 .3 .7 .7 .5	22-33 .0 .0 .2 1.0 .2 .2	.0 .0 .0	.0	1.7 1.5 1.7	.0	.2	.0 .2 .2 .2 .2 .0 .0	22-33	.0	.0	.2 .7 .5 .2 .2	
<1 1-2 3-4 5-6 7 8-9	.0	.0 1.4 .6 .0	.0 .3 .7 .7	22-33 .0 .0 .2 1.0 .2 .2 .2	.0 .0 .0 .0	.0	1.7 1.5 1.7	.0	.2	.0	22-33	.0	.0	.2 .7 .5 .2 .2	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16	.2	.0	.0 .3 .7 .7 .5 .2 .0	22-33 .0 .0 .2 1.0 .2 .2 .2 .2	.0 .0 .0 .0	.0	1.7 1.5 1.7 .6	.0	.2	.0	22-33	.0	.00000000000000000000000000000000000000	.2 .7 .5 .2 .2 .0 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19	.0 .0 .0 .0 .0 .0 .0	.0 1.4 .6 .0 .0 .0	.0 .3 .7 .7 .5 .2	22-33 .0 .0 .2 1.0 .2 .2 .2 .2 .2	.0 .0 .0 .0	.0	1.7 1.5 1.7 .6 .5	.0	.2 .4 .3 .0 .0 .0 .0 .0 .0 .0 .0	.2 .2 .2 .0 .0	22-33	.0	.0	.2 .7 .5 .2 .2 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	.2	.0 1.4 .6 .0 .0 .0 .0	.0 .3 .7 .7 .5 .2 .0 .0	22-33 .0 .0 .2 1.0 .2 .2 .2 .2 .0	.0 .0 .0 .0 .1 .0	.0	1.7 1.5 1.7 .6 .5	.0	.2 .4 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	22-33	.0	.00000000000000000000000000000000000000	.2 .7 .5 .2 .2 .0 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19	.0 .0 .0 .0 .0 .0 .0	.0 1.4 .6 .0 .0 .0	.0 .3 .7 .7 .5 .2 .0	22-33	.0 .0 .0 .0 .0 .1 .0	.0	1.7 1.5 1.7 .6 .5 .2 .2	.0	.2 .4 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .2 .2 .2 .2 .0 .0 .0 .0	22-33	.0	.00000000000000000000000000000000000000	.2 .7 .5 .2 .2 .0 .0	
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	200000000000000000000000000000000000000	.0 1.4 .6 .0 .0 .0 .0	.0	22-33	.0 .0 .0 .0 .0 .1 .0	.0	1.7 1.5 1.7 .6 .5 .2 .2	.0	.2 .4 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .2 .2 .2 .2 .0 .0 .0 .0 .0	22-33	.00000000000000000000000000000000000000	.00000000000000000000000000000000000000	.2 .7 .5 .2 .2 .0 .0 .0 .0 .0 .0	
1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0 .3 .7 .7 .5 .2 .0 .0 .0	22-33	.0 .0 .0 .0 .0 .1 .0 .0	.0	.2 1.7 1.5 1.7 .6 .5 .2 .2	.0	.2 .4 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2	22-33	000000000000000000000000000000000000000	000000000000000000000000000000000000000	.2 .7 .5 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 26-32 33-40 41-48	.2	.0	.0 .3 .7 .7 .5 .2 .0 .0 .0	22-33	.0	.00000000000000000000000000000000000000	.2 1.7 1.5 1.7 .6 .5 .2 .2 .0 .0	000000000000000000000000000000000000000	.2 .4 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22-33	000000000000000000000000000000000000000	.00000000000000000000000000000000000000	.2 .7 .5 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	.2	1.4 .6 .0 .0 .0 .0 .0	.00.3	22-33	.0	.00000000000000000000000000000000000000	.2 1.7 1.5 1.7 .6 .5 .2 .2 .0 .0 .0	.0	.2 .4 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	222200000000000000000000000000000000000	22-33	000000000000000000000000000000000000000	000000000000000000000000000000000000000	.2 .7 .52 .2 .0 .00 .00 .00 .00 .00 .00 .00 .00	
1 = 2 3 = 4 5 = 6 7 8 = 9 10 = 11 12 = 13 = 16 17 = 19 20 = 22 23 = 25 26 = 32 33 = 40 41 = 48 49 = 60 61 = 70	.2	.0 1.4 .6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .3 .7 .7 .7 .5 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33 .0 .0 .2 .2 .2 .2 .2 .0 .0 .0 .0	.0	.00000000000000000000000000000000000000	.2 1.7 1.5 1.7 .6 .5 .2 .2 .0 .0 .0	.0	.2 .4 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	022220000000000000000000000000000000000	22-33	000000000000000000000000000000000000000	000000000000000000000000000000000000000	.2 .7 .5 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
11-2 13-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 23-25 23-40 41-48 49-60 61-70 71-86	.2	1.4 .6 .0 .0 .0 .0 .0 .0 .0	.0 .3 .7 .7 .5 .2 .0 .0 .0 .0	22-33 .0 .0 .2 1.0 .2 .2 .2 .2 .0 .0 .0 .0	.00		.2 1.7 1.5 1.7 .6 .5 .2 .0 .0 .0 .0	.0	.2 .4 .3	.0 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33	000000000000000000000000000000000000000	000000000000000000000000000000000000000	.2 .7 .5 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
1 = 2 3 = 4 5 = 6 7 8 = 9 10 = 11 12 = 13 = 16 17 = 19 20 = 22 23 = 25 26 = 32 33 = 40 41 = 48 49 = 60 61 = 70	.2	.0 1.4 .6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .3 .7 .7 .7 .5 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33 .0 .0 .2 .2 .2 .2 .2 .0 .0 .0 .0	.0		.2 1.7 1.5 1.7 .6 .5 .2 .2 .0 .0 .0	.0	.2 .4 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	022220000000000000000000000000000000000	22-33	000000000000000000000000000000000000000	000000000000000000000000000000000000000	.2 .7 .5 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	

		WIND	SPEED	(KT5)	VS SEA	HEIGHT	(FT)		
н	IGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<	1	4.8	2.7	.0	.0	0	.0	7.6	003
	-2	.6	16.6	3.5	.0	0	.0	20.7	
	-4	. 2	10.3	16.7			.0	28.1	
	-6	. 2	2.4	15.6			.0	22.5	
	7	.0	1.0	7.1	3.5		.0	11.7	
8	-9	.0	. 5	1.8	3.9		.0	6.3	
10	-11	.0	.0	. 2	1.4	.0	.0	1.6	
	2	.0	. 2	.0	. 8	.0	.0	1.0	
	-16	.0	.0	.0	.5	.0	.0	.5	
17	-19	.0	.0	.0	.0	.0	.0	.0	
	-22	.0	.0	.0	.0	.0	.0	.0	
23	-25	.0	.0	.0	.0	.0	.0	.0	
	-32	.0	.0	.0	.0	.0	.0	.0	
33	-40	.0	.0	.0	.0	.0	.0	.0	
	-48	.0	.0	.0	.0	.0	.0	.0	
49	-60	.0	.0	.0	.0	.0	.0	.0	
61	-70	.0	.0	.0	.0	.0	.0	.0	
	-86	.0	.0	.0	.0	.0	.0	.0	
-	87+	.0	.0	.0	.0	.0	.0	.0	
								•	622
TOT	PCT	5.8	33.6	44.9	15.4	. 3	.0	100.0	

PERIOD: (OVER-ALL) 1949-1969 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) DF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86

.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

.4 .8 .3 .0 .0 .0 .0 .0 .0 .0 .0

1.0 1.1 .0 .3 1 .0 .0 .0 .0 .0 .0

1.2 2.0 .3 .0 .0 .0 .0 .0 .0 .0

.6 .7 .2 .4 .1 .0 .0 .0 .0 .0

.4 .8 .2 .4 .1 .0 .0 .0 .0 .0

.4 .8 .2 .4 .1 .0 .0 .0 .0 .0

.3 .4 .8 .2 .4 .0 .0 .0 .0 .0

.4 .8 .2 .4 .1 .0 .0 .0 .0 .0

.4 .8 .2 .4 .1 .0 .0 .0 .0 .0

.4 .8 .2 .4 .1 .0 .0 .0 .0 .0

.4 .8 .2 .4 .1 .0 .0 .0 .0 .0

.5 .4 .1 .1 .0 .0 .0 .0 .0 .0

.6 .7 .2 .4 .1 .0 .0 .0 .0 .0 .0

.7 .9 .0 .0 .0 .0 .0 .0 .0 .0

.8 .9 .1 .0 .0 .0 .0 .0 .0 .0 .0

.9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

.9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

.9 .0 87+ TOTAL MEAN

.0 161 4
.0 218 6
.0 238 8
.0 115 9
.0 55 10
.0 25 11
.0 93 5
.0 905 7 0 ER IGO (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TGTAL PCT 7 8-9 10-11 6.1 4.4 .6 .1 .1 .0 2.4 124 13.7 3.3 6.4 6.0 2.3 .3 .2 1.7 183 20.2 1.1 3.4 7.2 2.6 1.2 .7 1.7 162 17.9 2.6 5.8 6.2 2.6 1.1 1.0 177 19.5 1.0 .1 .0 .0 .0 .0 .7 16 3.2 .3 .4 .0 .0 .0 1.5 50 2.0 3.4 1.2 1.4 .2 .9 86

PERIOD:	(PRIMARY)	1912-1971
	(OVER-ALL)	1055-1071

TABLE 1

AREA 0016 ESPERANCE BAY S 35.4S 120.7E RECTION

PERCENT FREQUENCY OF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

					-										
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
N NE	.0	3.6	2.4	.0	.0	.0	.0	6.0	.9	.9	2.2	.0	1.8	.0	88.2
NE	1.1	1.0	1.5	.0	.0	.0	.0	3.6	1.0	2.5	2.0	.0	. 9	.1	89.8
E	1.4	1.1	1.9	.0	.0	.0	.0	4.4	.5	.7	. 7	.2	.4	.2	93.1
E SE	. 9	1.5	3.4	.0	.0	.0	.0	5.8	1.8	1.2	.6	.7	.3	.0	90.2
S	1.3	1.7	2.5	.0	.0	.0	.0	5.5	1.6	. 8	4.1	.0	.2	.0	87.8
SW	1.2	4.5	1.7	.0	.0	.0	.0	7.4	2.0	. 9	. 7	.0	.7	.0	88.6
W	1.4	4.8	1.4	.0	.0	.0	.0	7.7	.7	.0	. 6	.0	.3	.0	90.7
NW	4.2	3.9	. 3	.0	• 0	.0	.0	8.4	.0	. 6	.6	.0	. 3	.0	90.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	2106	2.6	1.9	•0	•0	.0	.0	5.7	1.2	1.0	1.5	.1	.6		90.0

TARIE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	1 TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
60300	1.2	3.2	2.0	.0	.0	.0	.0	6.4	.7	.0	1.9	.3	1.0	.)	89.7
90360	1.0	1.8	1.6	.0	• 0	.0	.0	4.5	1.2	.4	1.2	.0	.4	.0	92.2
12815	. 8	3.2	1.9	.0	.0	.0	.0	5.9	1.2	2.0	1.5	.0	.7	. 2	88.9
18621	2.4	1.4	2.2	.0	• 0	.0	.0	6.0	1.6	1.8	1.2	.0	.0	.0	89.6
TOT PCT TOT OBS:	1.3	2.5	1.9	•0	•0	.0	.0	5.8	1.2	1.1	1.5	.1	.6	•	90.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				1 600				20.000	100000000000000000000000000000000000000				0.000				
		WI	NO SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.4	2.3	2.5	.7	.1	.0		6.0	12.8	8.3	8.9	6.0	6.1	2.5	5.5	4.2	8.2
NE	. 5	4.9	9.6	3.7	. 2	.0		18.9	15.3	19.9	17.7	17.8	19.0	16.7	18.8	21.5	20.7
E	1.0	7.4	9.0	1.6	.0	.0		17.9	12.2	15.8	14.0	18.1	19.0	20.5	21.0	17.9	17.4
SE	.5	4.9	3.2	. 3		.0		9.0	10.6	7.3	9.7	6.9	12.3	10.0	9.4	8.2	10.5
5	. 9	6.5	5.5	. 8	. 2	.0		13.8	11.4	14.1	12.5	12.5	14.5	14.7	15.5	12.9	13.1
SW	. 6	7.0	8.3		.6			18.9	14.1	17.5	15.1	20.6	16.3	23.1	17.3	18.9	18.5
W	. 7	3.6	4.0			. 1		10.7	15.1	11.7	14.5	13.7	8.1	8.7	9.0	10.3	8.4
NW	.3	1.7	1.5	.3	.0			3.8	11.9	3.8						4.8	
VAR	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
CALM	1.1	••				• •		1.1	.0	1.6	1.5	. 3	1.2	. 9	1.2	1.3	. 4
TOT DBS	185	1192	1333	360	45	5	3120		13.1	620	344	373	253	632	256	373	
TOT PCT	5.9		42.7	11.5	1.4	. 2	3170	100.0									100.0

TABLE 3A

		WIND	SPEED	(KNOTS)						HOUR	(GMT)
WND DIR	0-6	7-16	17-27	28-40	41+	TOTA	PCT	MEAN	00	06	12	18
						DBS	FREQ	SPD	03	09	15	21
N	1.4	2.6	1.8	.2	.0		6.0	12.8	8.5	6.0	3.4	5.8
NE	1.9	8.6	7.3	.2	*		18.9	15.3	19.1	18.3	17.3	21.2
E	3.3	9.8	4.7	.1	.0		17.9	12.2	15.2	18.5	20.7	17.7
SE	2.3	5.1	1.5	.1			9.0	10.6	8.2	9.1	9.8	9.2
5	3.4	7.8	2.1	.4			13.8	11.4	13.5	13.3	14.9	13.0
SW	3.2	9.5	4.7	1.3	.2		18.9	14.1	16.6	18.8	21.4	18.8
W	2.1	4.3	3.0	1.1	. 2		10.7	15.1	12.7	11.4	8.8	9.5
NW	1.0	1.8	. 8	.2	*		3.8	11.9	4.6	4.0	2.7	4.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.1						1.1	.0	1.6	. 6	1.0	. 9
TOT DES	615	1547	812	130	16	3120		13.1	954	626	888	642
TOT PCT	19.7	49.4	26.0	4.7	. 5		100.0			100.0	100.0	100.0

PERIND:	(PRIMARY)	1912-1971
	IOVER-ALL Y	1955-1971

TABLE 4 AREA 0016 ESPERANCE BAY S 35.45 120.7E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND		KNOTS)	48+	MEAN	PCT	TOTAL
HOUR	CALI	1-3	4-10	11-51	22-35	34-41		EMI	FREN	003
00603	1.6	6.5	37.4	39.9	12.7	1.7	.2	13.0	100.0	964
90300	.6	3.8	35.5	47.9	10.4	1.4	. 3		100.0	626
12615	1.0	4.4	39.0	42.3	11.9	1.4	.0		100.0	888
18621	.9	3.9	41.0	42.4	10.4	1.2	. 2	12.7	100.0	642
TOT	34	151	1192	1333	360	45	5	13.1		3120
PCT	1.1	4.8	38.2	42.7	11.5	1.4	.2		100.0	

P	CT FRE			LQUD A		(EIGHTHS)			PERCEN	TAGE F	REQUEN	CY DF	CEILIN	G HEIG	HTS (T, NH :	4/8)	
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499				
N	1.7	.8	2.0	. 5		4.0	.0	.0	. 1	.0	.4	.7	.1	. 1	. 1	-1	3.5	
NE	7.5	3.5	5.5	2.8		3.8	.0	.0	. 2	. 9	1.5	1.6	. 9	. 3	. 1	. 2	13.6	
E	4.8	2.8	6.6	4.0		4.8	.0	.0	.5	1.3	2.6	2.2	. 9	. 3	. 1	. 3	10.0	
SF	1.6	. 8	1.9	2.6		5.5	.0	.0	.0	. 9	. 9	1.1	. 5	. 5	.0		3.0	
5	2.1	2.0	6.0	3.8		5.5	. 1	. 1	. 1	1.2	3.1	2.5	. 8	. 4	.0	. 1	5.7	
SW	3.1	3.8	8.8	4.8		5.3	.0	.0	.0	1.5	4.2	3.2	1.0	. 4	.1	.1	10.1	
W	2.4	1.9	4.1	3.1		5.2	.0	.0	. 1	. 9	2.0	1.2	. 7	. 3	. 1	.0	5.3	
NW	1.6	. 7	. 9	. 9		4.1	.0	.0		. 1	.3	. 4	. 2	.0	.0	. 1	3.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT DBS	334	217	476	298	1325	3.1	.0	•0	13	90	199	172	.0	29	.0	10	736	1325
TUT PCT	25.2	16.4	35.9	22.5	100.0		. 1	• 1	1.0	6.8	15.0	13.0	5.1	2.2	. 5	. 8	55.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NM	1)			
CEILING	 OR 	 OR 	₽ DR	= OR	= DR	= DR	 DR 	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR >6500	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3
DR >5000	3.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4
DR >3500	7.7	8.4	8.6	8.6	8.6	8.6	8.6	8.6
DR >2000	19.3	21.4	21.7	21.7	21.7	21.7	21.7	21.7
DR >1000	32.4	36.1	36.5	36.6	36.6	36.6	36.6	36.6
OR >600	37.7	42.8	43.2	43.3	43.3	43.3	43.3	43.3
DR >300	38.3	43.6	44.2	44.2	44.2	44.2	44.2	44.2
OR >150	38.3	43.6	44.2	44.3	44.3	44.3	44.3	44.3
OR > 0	38.4	43.7	44.3	44.4	44.4	44.4	44.4	44.4
TOTAL	510	501	500	600	600	600	600	600

TOTAL NUMBER OF OBS: 1352 PCT FREQ NH <5/81 55.6

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 12.1 11.7 11.2 11.5 8.0 6.6 8.8 11.7 18.4 .0 1483

		H	

								,	MAKCH						
PERIOD:	(PRIMARY) 1 (DVER-ALL) 1	912-1971 855-1971						TA	BLE 8				ARE		SPERANCE BAY
			P	ERCENT	PREC	OF WIN	D DIRE	CTION TH VAR	VS OCC	URRENC ALUES	E OR N OF VIS	IBILIT	URRENC Y	E OF	
	VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	<1/2	NO PCP	.0	.0	.0	.0				.0	.0	.0	. 1		
		TOT %	.0	•0	.0	.0		*	•	.0	.0	.0	. 1		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1/2<1	NO PCP	• 1	. 3	. 1	*	. 1	. 1		*	.0	.0	. 7		
		TOT \$	• 1	. 3	. 1	*	.1	.1			.0	.0	:7		
		PCP	.0	.0	.0	.0				.0	.0	.0	. 1		
	1<2	NO PCP	.0	. 1		*	. 1	.0		.0	.0	.0	. 2		
		TOT %	• 0	• 1	:	*	. 1		. 1	.0	.0	.0	.4		
		PCP	.0	. 1		. 1	.0		.1	.1	.0	.0	.4		
	2<5	NO PCP		. 1	.1	*	.0	.1	.1	.1	.0	.0	.6		
		TOT %	*	.2	.1	. 1	.0	. 1	. 2	. 2	.0	.0	1.0		
		PCP	.2	.4	.6	.2	.5	1.0	.7	. 1	.0	.0	3.8		
	5<10	NO PCP	1.5	5.1	4.4	2.6	3.4	6.3	2.8	1.1	.0	.1	27.3		
		TOT %	1.8	5.5	5.0	2.9	3.8	7.3	3.5	1.2	.0	. 1	31.2		
		PCP	• 1	.2	.1	. 2	.3	.4	.1	. 1	.0	.0	1.3		
	10+	NO PCP	3.4	12.4	11.9	4.7	9.4	12.5	7.9	2.4	.0	.5	65.3		
		TOT *	3.5	12.6	12.0	4.9	9.7	12.9	8.0	2.5	.0	.5	66.6		
		TOT OBS												2104	
		TOT PCT	5.3	18.7	17.3	7.9	13.7	20.6	11.8	3.9	.0	. 7	100.0		

TABLE 9

				PERCEN	T FREQ WITH V	ARY INC	ND DIR	S OF V	VS WI	ND SPE	ED		
VSBY	SPD	N	NE	Ε	SE	S	SW	H	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0				.0	.0		.1	
3.50.5	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0		*		.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10		.1	.0	.0	. 1	. 1			.0		.4	
	11-21	*	• 1		*	.0	.0	.0	.0	.0		. 2	
	22+	.0	• 1	*	.0	.0	.0	.0	.0	.0		. 1	
	TUT %	.1	.3	.1	*	. 1	. 1			.0	.0	.6	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0				.0	.0		.1	
	11-21	.0	*	.0	.0		.0	.0	.0	.0		.1	
	22+	.0	. *	*	*				.0	.0		. 2	
	TOT %	.0	• 1	*	*	. 1	.1	.1	.0	.0	.0	.4	
	0-3	.0	.0	.0	.0	.0		.0		.0	.0	.1	
2<5	4-10		*	. 1		.0	.1	.1	*	.0		. 4	
	11-21	.0	*	. 1	. 1	.0	. 1	. 1	.1	.0		.4	
	22+	.0	. 1	.0	.0	.0	.0	.0	.0	.0		. 1	
	TOT %		• 2	. 1	• 1	.0	.3	.1	. 2	.0	.0	1.0	
	0-3	.2	• 1	.1	.2	. 2	. 1	. 1	- 1	.0	.1	1.3	
5<10		.7	1 • 1	2.2	1.6	1.7	2.5	1.0	.4	.0		11.2	
	11-21	.4	3.1	2.2	. 9	1.4	2.8	1.0	. 5	.0		12.3	
	22+	.3	1.2	.7	• 1	. 3	1.3	1.0	. 5	.0	121	5.1	
	TOT %	1.7	5.5	5.1	2.7	3.5	6.7	3.2	1.2	.0	.1	29.9	
	0-3	.1	.3	.4	.2	.6	.3	4	1	.0	.6		
10+	4-10	1.2	3.3	5.0	3.1	5.1	4.6	2.6	1.1	.0		26.0	
	11-21	2.0	7.1	6.1	1.8	4.4	6.2	3.0	1.1	.0		31.7	
	22+	. 2	2.0	. 8	.1	.4	1.7	1.7	. 5	.0		7.1	
	TOT \$	3.5	12.7	12.4	5.2	10.6	12.8	7.7	2.5	.0	.6	68.0	
	TOT ORS												2337
	TOT PCT	5.3	18.7	17.7	8.1	14.3	20.0	11.2	3.9	.0	. 8	100.0	

PERIOD: (PRIMARY) 1912-1971 (DVER-ALL) 1855-1971

TABLE 10

AREA 0016 ESPERANCE BAY S 35.45 120.7E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

					U	CORRE	CE DI	1411		DOK				
HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS	
00803	.3	.0	1.4	9.2	13.3	16.9	4.4	3.3	. 8	.6	50.3	49.7	360	
06609	.0	.0	.8	5.9	12.6	11.3	5.4	1.9	.0	. 8	38.6	61.4	373	
12615	.0	.0	.6	5.4	15.2	11.3	5.1	.9	. 3	.9	39.7	60.3	335	
18821	.0	.3	.9	5.3	16.4	10.8	5.0	2.0	.6	.9	42.1	57.9	342	
TOT	1	1	13	91	202	178	70	29	6	11	602	808	1410	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	Y (NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DRS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.1	.7	.3	.6	33.3	64.9	667	60300	. 3	2.0	11.9	40.9	47.2	345
06609	. 2	.6	.6	.9	24.1	73.7	528	90360	.0	1.1	8.4	32.6	59.0	356
12615	.1	.4	.3	1.0	35.8	62.3	671	12615	.0	.6	7.1	34.5	58.4	322
18621	.2	.7	• 4	1.5	25.7	71.5	534	18621	.0	1.8	8.5	36.5	55.0	329
TOT PCT	.2	15	9	1.0	726 30.3	1622	2400	TOT PCT	1	19	122	488	742 54.9	1352

FADI - 13

						-									IABL
	PERC	ENT FRI	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S
75/79	.0	.0	.1	.0	.1	.2	.0	.0	6	.4		.1	•1	• 0	.0
70/74	.0	.0	. 1	. 1	. 7	1.3	1.4	.6	67	4.2	. 3	. 9	. 9	. 2	. 2
65/69	.0	.0	. 1	. 8	5.2	9.2	18.5	11.5	726	45.3	3.6	13.5	8.8	2.1	3.3
60/64	.0	.0	.3	3.0	12.6	14.9	9.2	5.4	729	45.4	1.7	4.7	7.7	4.1	8.3
55/59	.0	.0	.0	. 5	1.1	1.5	.9	.7	76	4.7	*	. 1	.3	. 5	1.9
TOTAL	0	0	9	71	316	434	483	291	1604	100.0					
PCT	.0	.0	.6	4.4	19.7	27.1	30.1	18.1		7.5.2.7	5.8	19.3	17.9	7.0	13.7

TABLE 14

	PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTION	N BY TI	чР	
N	NE	E	SE	S	SW	W	NW	VAR	CALM
.3	.1	:1	.0	.0	.0	:17	.0	.0	.0
3.6	13.5	8.8	2.1	3.3	6.0	5.2	2.4		.2
*	. 1	. 3	. 5	1.9	1.5	.3	.1	.0	.0
5.8	19.3	17.9	7.0	13.7	20.3	11.3	3.9	.0	. 9

TARLE 15

	MEANS,	EXTREMES	AND	PERCEN	TILES	OF TEM	P (DE	G F) B	Y HOUR
HGUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00803	75 78	72 75	70	65	59 61	57	55 57	64.7	953 619
12615	73	70	68	64	59	57	55	63.7	891
18621	70	69	58	63	59	57	55	63.4	656
TOT	78	72	6.9	64	50	57	5.5	44 4	2110

TABLE 16

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70÷79	80-89	90-100	MEAN	TOTAL
£0300	.0	5.2	20.8	24.7	31.2	18.1	78 76	442 379
12815	.0	3.5	16.6	29.7	30.8	19.4	79 80	428
TOT	0	84	322	442	494	301	78	1643

MARCH

PERIOD: (PRIMARY) 1912-1971 (OVER-ALL) 1855-1971

TABLE 17

AREA 0016 ESPERANCE BAY S 35.45 120.7E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	53	57	61	65	69	73	77	TOT	W	WD
TMP DIF	56	60	64	68	72	76	80		FOG	FOG
11/13	.0	.0	.0	.0	.0	.1	.0	1	.0	.1
9/10	.0	.0	.0	.0	. 1	. 1	. 1	4	.0	. 2
7/8	.0	.0	.0	.1	.1	.3	.0	12	.0	. 6
6	.0	.0	.1	. 2	. 3	. 1	.0	12	. 1	.6
5	.0	.0	.0	.4	.8	. 2	.0	25	.0	1.3
	.0	.0	. 1	.6	.5	. 1	.0	24	. 1	1.2
3	.0	.0	.1	2.2	1.4		.0	69	. 2	3.6
2	.0	.0	.5	4.3	2.2	.0	.0	129	. 2	6.7
1	.0	.0	1.3	8.2	1.2	.0	.0	199	. 3	10.5
4 3 2 1 0	.0	. 5	3.6	9.4	. 6	. 1	.0	261	. 4	13.6
-1 -2 -3	.0	. 3	7.0	8.0	.2	.0	.0	286	. 1	15.3
-2	.0	.7	8.4	3.9	.0	.0	.0	240	. 2	12.8
-3	.0	1.6	7.8	2.5	. 0	.0	.0	221	. 1	11.9
-4	.0	1.8	5.4	. 8	.0	.0	.0	148	.1	7.9
-5	.0	2.0	3.2	.5	.0	.0	.0	106	.0	5.7
-6	. 1	1.5	1.0	. 2	.0	.0	.0	51	. 1	2.7
-7/-8	. 1	1.3	1.0	. 1	.0	.0	.0	48	.0	2.6
-9/-10	.0	. 4	.3	.0	.0	.0	.0	12	.0	.6
-11/-13	. 2	. 2	. 1	.0	.0	.0	.0	7	.0	. 4
TOTAL	6		735		142		2		31	1824
	-	186		767		18		1855		
PCT	. 3	10.0	39.6	41.3	7.7	1.0	. 1	100.0	1.7	98.3

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 22-33 11-21 .4 1.5 1.5 .5 .0 .0 .0 .0 .0 .0 .0 .0 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-34 41-48 49-60 61-70 71-86 87-70 187-70 187-70 187-70 187-70 34-47 1-3 11-21 1.00 1.00 4.4 4.6 2.5 1.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 34-47 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87-67 1-3 1-3

PERIOD:	10456		. 242						MAI	ксн				4054	0014	ESPERAN	CC 04V	
PERTOU:	COVE	(-ALL)	1903-1	1971				TABLE	18	(CONT)				AREA		45 120		2
				PC	T FREQ (F WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)				
				\$							4-10	11 21	SW					
HGT <1	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	.0			34-47	48+	PCT		
	.2	. 4	.7	.0	.0	• 0	.6			. 0	2.2			.0		.1		
1-2	.2	2.7	2.8	.0	• 0	.0	3.6			. 0	3.1			.0	.0	5.8		
5-6	.0	.6	3.1	.0	.0	•0	3.7			.0	.6			.0	.0	5.8		
7	.0	.1	1.1	.1	.0	.0	1.3			.0	.1			.0	.0	2.6		
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0			. 2	.0	. 9		
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	. 5		
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	. 5		
13-16	.0	.0	.0	.1	.0	.0	.1			.0	.0	.0		. 1	.0	. 2		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		. 0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0		
41-48	.0	.0	.0	.0	• 0	.0	.0			.0	.0			.0	.0	.0		
49-60	.0	.0	.0	.0	• 0	.0	.0			.0	.0			.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0		
71-86 87+	.0	.0	.0	.0	• 0	.0	.0			.0	.0			.0	.0	.0		
TOT PCT	.0	6.7	7.6	.0	.0	.0	15.2			.0	6.0			.0	.0	19.5		
101 -01	• • •	0.1	7.0		•0	• 0	15.2				•.•	****	1.7	.,	.0	19.5		
				W									NW				TOTAL	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10			34-47	48+	PCT	PCT	
<1	.0	.1	.0	.0	•0	• 0	. 1			.0	.1			.0	.0	. 1		
1-2	.0	1.1	. 1	.0	.0	.0	1.2			.0	. 9			.0	.0	1.0		
3-4	. 1	1.5	1.5	.0	•0	• 0	3.0				. 2			.0	.0	1.0		
5-6	.0	. 2	1.6	: 7	•0	• 0	2.2			.0	:2			.0	.0	.9		
8-9	.0	.1	.0	.5	• 1	.0	2.0			.0	.0			.0	.0	.2		
10-11	.0	.0	.2	.4	.0	.0	.6			.0	.0			.0	.0	.1		
12	.0	.0	.0	.2	.3	.0	.5			.0	.0			.0	.0	.1		
13-16	.0	.0	.0	.2	.0	.0	.2			.0	.0			.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0		
87+	.0	.0	.0	.0	• 0	.0	.0			.0	.0			.0	.0	.0		
TOT PCT	. 1	2.9	4.4	2.5	.5	.0	10.5			*	1.4	2.1	.6	.0	.0	4.1	99.0	

WIND SPEED (KTS) VS SEA HEIGHT (FT)	
HGT 0-3 4-10 11-21 22-33 34-47 48+	PCT TOT
<1 3.3 2.9 .1 .0 .0 .0	6.4
1-2 .4 14.1 4.6 .0 .0 .0 1	9.1
3-4 .3 12.0 17.7 .6 .0 .0 30	0.5
	6.5
7 .0 .7 7.8 2.5 .1 .0 1	1.1
	2.2
	2.1
	1.4
13-16 .0 .0 .0 .6 .1 .0	. 7
17-19 .0 .0 .0 .0 .0	.0
20-22 .0 .0 .0 .0 .0	.0
23-25 .0 .0 .0 .0 .0	.0
26-32 .0 .0 .0 .0 .0	.0
33-40 .0 .0 .0 .0 .0	.0
41-48 .0 .0 .0 .0 .0	.0
49-60 .0 .0 .0 .0 .0	.0
61-70 .0 .0 .0 .0 .0	.0
71-86 .0 .0 .0 .0 .0	.0
87+ .0 .0 .0 .0 .0	.0
	718
TOT PCT 4.0 33.0 52.8 9.2 1.0 .0 100	

PERIOD	: (0)	ER-ALL)	194	9-1971					TABLE	19											
					PERCEN	T FRE	QUENCY	OF WA	VE HET	GHT (F	T) VS	WAVE P	ERIDO	SECON	55)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	. 8	2.9	6.5	4.0	2.4	.9	.6	. 2		.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	213	4
6-7	.0	. 3	3.5	5.5	7.2	3.1	1.7	1.0	. 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	260	7
8-9	. 1	. 2	1.0	3.2	4.5	5.0	3.2	2.0	.7	.0	. 1	• 1	. 1	.0	.0	.0	.0	.0	.0	232	8
10-11	.0	. 1	. 8	1.5	2.4	3.2	3.1	2.2	2.4	. 1	. 2	.0	.2	.0	.0	.0	.0	.0	.0	185	9
12-13	.0	.0	. 8	. 4	. 9	. 7	1.8	. 9	1.5	. 1	. 1	. 2	. 3	.0	.0	.0	.0	.0	.0	87	10
>13	.0	.0	.0	.3	. 5	1.0	1.0	. 5	. 4	.6	. 3	.0	. 2	.0	.0	.0	.0	.0	.0	55	12
INDET	.5	1.5	1.5	1.4	1.8	1.0	. 4	.6	- 7	.1	. 1	.1	.0	.0	.0	.0	.0	.0	.0	112	6
TOTAL	16	56	161	188	227	171	136	85			8	4		0	0	0	0	0	0	1145	7
PCT	1.4	4.9	14.0	16.4	19.8	14.9	11.9	7.4		1.1	.7	.3	.7	.0	.0	.0	.0	.0	.0	100.0	

			APRIL	
	1913-1969 1857-1969		TABLE 1	AREA 0016 ESPERANCE BAY S 35.45 120.6E
		PERCENT FREQUENC	Y OF WEATHER OCCURRENCE BY	WIND DIRECTION

			p	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
HND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
N	1.8	.8	1.3	.0	.0	.0	.0	4.0	.0	6.1	2.5	.0	.4	.0	87.6
NE	1.7	1.2	2.7	.0	.0	.0	.0	5.6	. 9	2.2	1.2	.0	. 2	.0	90.6
E	2.3	2.3	1.0	.0	.0	.0	.0	5.6	1.0	.0	2.8	.0	.2	.0	90.5
S E	2.4	3.6	1.2	.0	.0	.0	.0	7.1	2.2	.6	.3	.0	.0	.1	90.2
S	2.8	2.9	3.0	.0	.0	.0	.0	8.8	4.3	.6	. 4	.0	.0	. 3	85.7
SW	2.8	7.3	1.6	.0	.0	.0	.0	11.7	6.3	1.2	1.2	.0	.0	.0	79.8
W	3.7	13.2	1.9	.0	.0	.0	. 1	18.9	6.6	1.9	.6	.0	. 3	.0	72.6
NW	3.5	4.6	1.1	.0	.0	.0	. 3	9.5	4.3	4.3	.5	.0	.0	.0	81.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	•0	• 0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	100.0
TOT PCT	2.6	4.9	1.8	.0	•0	.0	•	9.4	3.4	1.8	1.2	.0	• 1	•	84.4

TABLE 2
PERCENT FREDUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATION	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	2.5 2.2 2.6 2.7	5.4 4.7 4.5 5.1	1.7 .6 1.7 3.2	.0	•0	.0	.0	9.6 7.8 8.9 11.0	4.3 2.8 2.8 3.4	.5 .0 3.9 3.0	2.2 .9 .9	.0	.3	.0	83.1 88.1 84.5 81.6
TOT PCT TOT UBS:	2.5	4.9	1.8	.0	.0	.0	•	9.3	3.3	1.9	1.3	•	.1	• 1	84.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	TSI								HOUR	(GMT)			
WND DIR	0-3			22-33		48+	TOTAL	PCT	MEAN	00	03	06	09	12	15	18	21
							DBS	FREQ	SPD								
N	.4	3.6	4.1	.9		.0		9.0	12.6	12.3	10.8	6.4	8.3	6.2	8.6	8.8	10.5
NE	.4	4.9	8.3	2.2	. 1	.0		15.9	14.3	16.0	15.3	14.7	14.4	14.1	16.3	19.2	19.1
E	. 9	5.8	5.9	. 8	. 1	.0		13.4	11.7	10.2	12.6	14.9	12.2	16.8	15.7	11.3	13.0
SE	. 6	3.5	2.1	. 5	. 2	.0		6.9	11.1	6.3	7.4	5.9	8.7	8.1	6.0	6.2	6.1
S	. 9	5.4	4.2	1.2	.3	.0		12.1	12.4	12.0	9.4	13.2	11.1	13.1	13.1	13.2	9.8
SW	.7	5.9	6.5	3.3	.9	. 1		17.4	15.4	16.7	17.8	17.3	21.3	17.5	16.8	18.6	13.8
W	.6	4.2	6.9	3.6	.9	. 1		16.4	16.8	17.7	16.3	19.3	14.7	16.0	15.6	13.6	16.3
NW	.3	3.2	2.8	.7	.2	.0		7.1	13.0	8.2	8.1	7.2	6.1	5.4	4.4	8.2	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5
CALM	1.9							1.9	.0	.6	2.3	1.1	3.1	2.8	3.6	. 9	1.5
TOT DBS	203	1112	1244	404	81	7	3051		13.6	631	347	351	229	647	249	343	254
TOT PCT	6.7	36.4	40.8	13.2	2.7	. 2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

					TAB	LE 3A						
WND DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL OBS	PCT	MEAN SPD	00	HOUR 06 09	12 15	18 21
N	2.0	4.4	2.5	.2	.0		9.0	12.6	11.8	7.2	6.9	9.6
NE	2.0	7.3	6.2	. 5	.0		15.9	14.3	15.7	14.6	14.7	19.2
E	3.5	6.7	2.8	.2 .5 .3			13.4	11.7	11.1	13.8	16.5	12.0
SE	2.6	2.8	1.3	. 2			6.9	11.1	6.7	7.0	7.5	6.2
N NE E SE SW W	3.2	5.7	2.5	.7			12.1	12.4	11.1	12.4	13.1	11.8
SW	3.3	6.9	4.8	2.2	. 2		17.4	15.4	17.1	18.9	17.3	16.5
W	2.3	6.3	5.4	2.0	.2		16.4	16.8	17.2	17.5	15.9	14.7
NW	1.5	3.7	1.6	.4			7.1	13.0	8.1	6.8	5.2	8.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.9						1.9	.0	1.2	1.9	3.0	1.2
TOT DAS	676	1334	822	200	19	3051	•••	13.6	978	580	896	597
TOT PCT	22.2	43.7	26.9	6.6	.6		100.0		100.0		100.0	100.0

APRIL

PERIOD: (PRIMARY) 1913-1969 (OVER-ALL) 1857-1969

TABLE 4

AREA 0016 ESPERANCE BAY S 35.45 120.6F

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21		KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL
00803	1.2	5.0	39.7	37.2	13.8	2.8	.3	13.5	100.0	978
90380	1.9	4.5	34.5	42.9	13.8	2.2	.2	13.9	100.0	580
12615	3.0	4.8	36.0	40.3	12.5	3.1	.2	13.5	100.0	896
19621	1.2	4.7	33.7	45.2	12.9	2.2	.2	13.7	100.0	597
TOT	57	146	1112	1244	404	81	7	13.6		3051
PCT	1.9	4.8	36.4	40.8	13.2	2.7	. 2		100.0	-

TABLE 5

,	CT FRE			D DIRFC		EIGHTHS)							CEILIN NH <5/					
NO DIR	0-2	3-4	5-7	8 & 085CD	TOTAL OBS	MEAN CLOUD COVER	000	150	300 599	600	1000	2000	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTA
N	3.0	1.2	2.2	1.9		4.3	.0	.0	. 2	.3	1.3	.6	.2	.1	. 2	.1	5.5	
NE	4.7	2.8	5.0	3.8		4.6	.0	.0	. 3	1.9	2.1	1.7	. 4	. 2	.0	. 1	9.8	
E	2.5	1.8	4.9	3.0		5.3	.0	.0	. 2	1.0	3.3	1.3	. 5	• 1	. 2	. 2	5.4	
SE	.6	. 8	2.9	2.2		6.0	.0		. 1	.6	1.3	1.3	.6	• 1	. 1	.0	2.4	
S	1.8	2.5	5.5	4.2		5.6	. 2	.1	. 4	1.6	2.7	1.6	. 9	. 2		. 3	6.0	
SW	2.5	3.0	8.0	3.8		5.4	. 1	. 2	. 4	1.5	4.6	1.7	1.3	. 4		.0	7.3	
W	2.8	3.3	6.9	4.0		5.2	.0	.0	. 3	1.6	3.3	1.6	. 9	. 2	.0	.0	9.1	
NW	1.7	1.4	2.0	1.7		4.8	.0	.0	. 1	.6	1.0	.5	.3	.0	.1	.0	4.2	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 9	. 1	.4	.1		2.7	.0	.0	.0	. 1	. 2	.1	.0	.0	.0	. 1	1.0	
OT OBS	264	216	483	315	1278	5.1	3	3	25	118	253	133	64	14	8	10	647	127
OT PCT	20.7	16.9	37.8	24.6	100.0		.2	.2	2.0	9.2	19.8	10.4	5.0	1.1	.6	. 8	50.6	100

TABLE 7

	CUM	ULATIVE !	CT FREG	OF SIMU	LTANEDUS	BECURRE	ENCE
	0	F CEILING	HEIGHT	(NH >4/	B) AND V	SBY (NM)
				VSBY (NM)		
NG	• OR	• UR	· DR	= DR	- OR	- DR	. 0
)	>10	>5	>2	>1	>1/2	>1/4	>50Y

CEILING	 OR 	• UR	· DR	= DR	• DR	- DR	- DR	■ DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	1.2	1.3	1.3	1.4	1.4	1.4	1.4	1.4
■ DR >5000	2.1	2.5	2.5	2.5	2.5	2.5	2.5	2.5
■ DR >3500	6.4	7.4	7.4	7.5	7.5	7.5	7.5	7.5
■ DR >2000	15.7	17.9	17.9	18.0	18.0	18.0	18.0	18.0
 OR >1000 	32.2	37.0	37.4	37.5	37.5	37.5	37.5	37.5
■ DR >600	38.6	45.7	46.5	46.6	46.6	46.6	46.6	46.6
• DR >300	39.4	47.4	48.4	48.6	48.6	48.6	48.6	48.6
• OR >150	39.5	47.6	48.7	48.8	48.8	48.8	48.8	48.8
• OR > 0	39.5	47.8	48.9	49.0	49.0	49.0	49.0	49.0
TOTAL	512	620	634	636	636	636	636	636

TOTAL NUMBER OF OBS: 1297 PCT FREO NH 45/8: 51.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 10.0 8.4 11.7 9.8 9.6 6.5 11.1 12.8 20.0 .1 1423

								A	KIL							
PERIOD: (PR	IMARY) 19 ER-ALL) 1	913-1969 857-1969						TAI	BLE 8				ARE		120.6E	
			P	ERCENT	PREC I	PITAT	DIRE	CHIDN TH VAR	VS DCC	URRENÇE ALUES C	F VIS	IBILIT	URRENC Y	E OF		
	VSBY (NM)		N	NF	E	58	5	SW	W	NW	VAR	CALM	PCT	TOTAL		
	\$1/2	PCP NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		TOT %	• 0	• 0	.0	.0	.0	•	.0	.0	.0	.0	•			
		PCP	•0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	1/241	NO PCP	• 1	• 1	:1	.0	.0	.1	.0	.0	.0	.0	:4			
		PCP	•	• 0	.0	.0	.1		.0	.0	.0	.0	.2			
	1<2	TOT \$	•0	:	.1	.0	.1	• 0	.0	.0	.0	.0	.3			
		PCP	.0		.1			.1	.2	.1	.0	.0	.5			
	2<5	NO PCP	:	. 2	.1	:	•1	.3	.0	.1	.0	:	1.1			
		PCP	. 3	.4	.5	.4	.6	1.2	2.1	.4	.0	.0	5.9			
	5<10	NO PCP	3.2	4.1	4.2	3.1	3.7	5.1	6.0	2.2	.0	.2	29.1 35.0			
		PCP	.0	. 4	. 2	.1	.3	.6	. 8	. 2	.0	.0	2.7			
	10+	NO PCP	5.3	10.3	9.0	4.5	7.4	9.5	9.1	4.4	.0	. 8	63.1			

TOT OBS TOT PCT 8.8 15.6 14.1 7.8 12.2 17.0 16.1 7.3 .0 1.1 100.0

TABLE 9

SPD KTS 0-3 4-10 11-21 22+ TOT % 0-3 4-10 11-21	.0	.0 .0	.0 .0	.0 .0	.0	.0	.0	NW	VAR	CALM	PCT	TOTAL
0-3 4-10 11-21 22+ 101 x 0-3 4-10 11-21	.0	.0	.0	.0			0	-				
4-10 11-21 22+ TOT % 0-3 4-10 11-21	.0	.0	.0	.0				.0	.0	.0	.0	
11-21 22+ TOT % 0-3 4-10 11-21	.0	.0	.0	.0		.0	.0	.0	.0		.0	
0-3 4-10 11-21	.0				.0		.0	.0	.0		.1	
0-3 4-10 11-21		•0		.0	.0	.0	.0	.0	.0		.0	
4-10			•	.0	.0		.0	.0	.0	.0	.1	
11-21			.0	.0	.0		.0	.0	.0	.0	.1	
	.0	.1	. 1	.0	.0		.0	.0	.0		.2	
	.1		.0	.0	.0			.0	.0		. 2	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
TOT %	. 1	• 1	. 1	.0	.0	. 1	•	.0	.0	.0	.4	
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4-10	.0		•	.0	. 1		•	.0	.0		. 2	
11-21		.0		.0	.0		•	.0	.0		.2	
22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
TOT \$	•	•	. 1	.0	. 1	.1	. 1	.0	.0	.0	.4	
0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
4-10		. 1	•	.0	.0		.0	•	.0		.3	
11-21	.0	. 1	. 1			. 1	. 1		.0		. 5	
22+	.0	• 1	.0		. 1	.1	.1	.1	.0		.4	
TOT \$	•	. 3	. 2	•	. 1	.3	. 2	.1	.0	•	1.2	
0-3	.1	.3	.4	. 3	.1	.2	. 1	1	.0	.2	1.8	
4-10	1.5	1.6	1.5	1.1	1.6	2.2	1.2	1.3	.0		12.0	
11-21	1.0	1.7	2.1	1.0	1.4	1.7	2.1	. 8	.0		11.8	
22+	.4	.6	.4	.5	1.0	1.8	2.2	.3	.0		7.1	
TOT \$	3.0	4.3	4.4	2.9	4.1	5.9	5.6	2.4	.0	.2	32.7	
0-3	. 2	.2	.4	.4	7	3.5	3.0	. 1	.0	1.2	4.0	
4-10	2.0	2.9	4.3	2.9	3.4	5.3		2.2	.0		24.8	
						2.2						
70T %					- "	2.3						
	5.4	11.5	9.6	4.8	7.5	10.4	10.2	4.0	.0	1.2	65.2	
101 %					-							2352
11-7		2.7	2.7 6.9 .5 1.6 5.4 11.5	2.7 6.9 4.1 .5 1.6 .6 5.4 11.5 9.6	1 2.7 6.9 4.1 1.5 .5 1.6 .6 .1 5.4 11.5 9.6 4.8	1 2.7 6.9 4.1 1.5 2.5 .5 1.6 .6 .1 .4 5.4 11.5 9.6 4.8 7.5	1 2.7 6.9 4.1 1.5 2.5 4.2 .5 1.6 .6 .1 .4 2.3 4 5.4 11.5 9.6 4.8 7.5 10.4	1 2.7 6.9 4.1 1.5 2.5 4.2 4.4 .5 1.6 .6 .1 .4 2.3 2.3 4 5.4 11.5 9.6 4.8 7.5 10.4 10.2	1 2.7 6.9 4.1 1.5 2.5 4.2 4.4 1.9 .5 1.6 .6 .1 .4 2.3 2.3 .3 4 5.4 11.5 9.6 4.6 7.5 10.4 10.2 4.6	1 2.7 6.9 4.1 1.5 2.5 4.2 4.4 1.9 .0	1 2.7 6.9 4.1 1.5 2.5 4.2 4.4 1.9 .0 .5 1.6 .6 .1 .4 2.3 2.3 .3 .0 5.4 11.5 9.6 4.8 7.5 10.4 10.2 4.6 .0 1.2	1 2.7 6.9 4.1 1.5 2.5 4.2 4.4 1.9 .0 28.1 5.5 1.6 .6 .1 .4 2.3 2.3 .3 .0 8.2 5.4 11.5 9.6 4.8 7.5 10.4 10.2 4.6 .0 1.2 65.2 5

PERIOD: (PRIMARY) 1913-1969 (DVER-ALL) 1857-1969

TABLE 10

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	. 3	.9	2.4	10.2	23.7	12.0	3.9	1.5	.6	.6	56.0	44.0	334
06609	.0	.0	2.3	8.5	17.6	10.0	4.7	.6	.6	.9	45.2	54.8	341
12615	.0	.0	1.8	7.9	16.4	8.8	5.0	.9	.6	.3	41.5	58.5	342
18821	.6	.0	.9	8.9	17.8	10.2	5.8	1.5	.6	1.2	47.7	52.3	325
TOT	3	3	25	119	253	137	65	15	8	10	638	704 52.5	1342

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.0	.9	.4	1.2	34.8	62.7	695	60300	. 3	3.7	14.7	42.8	42.5	327
06609	. 2	.2	.4	1.2	26.6	71.4	493	06609	.0	2.4	11.9	35.5	52.6	327
12615	.0	.4	.4	1.3	37.4	60.5	711	12815	.0	1.8	10.8	32.5	56.6	332
18621	. 2	.4	.4	1.4	30.6	67.1	510	18621	.6	1.6	12.2	37.3	50.5	311
TOT	.1	12	10	30	795 33.0	1560	2409	101 PC1	.2	2.4	161	480 37.0	656 50.6	1297

TARLE 13

TABLE 1

					HUCE I	,									, 40.					
	PERCI	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUEN	Y DF	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	×	NW	VAR	CALM
75779	.0	.0	.0	.0	.1	.0	.0	.0	1	.1	.0	.0	.0	.0	.0			.0	.0	.0
70/74	.0	.0	.1	.0	. 3	. 3	.6	.0	20	1.2	. 3	. 2	. 1	.0	. 1	. 1	. 3	. 2	.0	.1
65/69	.0	.0	.1	.7	1.6	6.5	11.6	6.3	431	26.8	4.6	7.2	3.5	. 8	. 9	1.7	3.9	4.0	.0	. 4
60/64	.0	.0	. 2	2.4	11.9	14.3	16.0		856	53.3	3.4	7.5	8.0	4.2	7.5	9.3	9.6	3.0	.0	.7
55/59	.0	.0	.1	1.3	3.7	5.1	5.5	1.8	281		. 2	. 5	. 9	1.3	4.6	5.9	3.4	. 4	.0	. 2
50/54	.0	.0	.0	. 1	. 2	. 2	. 4		18	1.1	.0	.0	.0	.0	. 3	. 4	.4	.1	.0	.0
TOTAL	0	0	7	72	285		547	272		100.0										
PCT	.0	.0	. 4		17.7	26.4	34.0		100.		8.5	15.4	12.4	6.3	13.4	17.4	17.5	7.7	.0	1.3

TABLE 15

TABLE 16

	MEANS,	EXTREME	S AND	PERCEN	ITILES	OF TEM	P (DE	GF) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	WIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TO
00603	79	72	09	63	57	55	51	63.0	972	00603	.0	4.6	18.1	25.7	34.5	17.1	79	4
90330	76	73	59	64	58	55	51	63.7	587	90300	.0	8.5	21.8	27.5	30.6	11.6	76	3
12615	73	70	57	62	57	54	53	62.3	911	12615	.0	3.4		26.8			79	4
18621	71	69	57	62	56	53	51	61.8	611	18621	.0	3.9	13.9	25.4	36.1	20.7	90	3
TOT	79	71	68	63	57	54		62.7	3081	TOT	0	82	289		560		79	16

APRIL

PERIOD: (PRIMARY) 1913-1969 (DVER-ALL) 1857-1969

TABLE 17

AREA 0016 ESPERANCE BAY S 35.45 120.6E

							-					
		AIR-SEA	49	53	57	61	65	69	73	TOT	W	WD.
		TMP DIF	52	56	60	64	68	72	76		FOG	FOG
		11/13	.0	.0	.0	.0	.1	.0	.0	1	.0	.1
		9/10	.0	.0	.0	.0	. 1	. 1	.0	2	.0	. 1
		7/8	.0	.0	. 2	• 1	.0	• 1	. 2	10	.0	.6
		6	.0	.0	.0	• 1	. 1	.2	.0	6	.0	.3
		5	.0	.0	.0	.0	. 4	.2	.0	11	.0	.6
		4	.0	.0	. 1	. 2	1.0	. 3	.0	28	.0	1.6
		3	.0	.0	. 1	.6	2.3	. 6	.0	63	• 1	3.4
		2	.0	.0	. 1	1.3	4.3	. 8	. 1	120	. 1	6.6
		1	.0	. 1	.3	3.8	6.3	. 2	.0	194	. 1	10.7
		0	.0	.0	.7	7.6	5.6	. 3	.0	254	. 2	13.9
		-1	.0	. 1	1.4	8.6	2.8	. 2	.0	235	. 3	12.7
		-2	.0	.0	2.6	8.1	1.6	. 1	.0	223	. 2	12.2
		-3	.0	. 2	3.7	6.4	1.0	.0	• 0	202	. 2	11.1
		-4	.0	. 2	4.5	3.2	. 4	. 1	.0	150	. 1	8.2
		-5	.0	. 4	3.6	2.1	. 2	. 1	.0	115	.0	6.4
		-6	.0	. 4	2.6	1.2	. 1	.0	.0	79	. 1	4.3
		-7/-8	.0	. 9	2.3	1.0	.0	.0	.0	76	. 1	4.1
		-9/-10	.0	. 4	.6	. 2	.0	.0	.0	21	.0	1.2
		-11/-13	. 1	. 3	.0	.0	.0	.0	.0	8	.0	. 4
		-14/-16	. 1	. 1	.0	.0	.0	.0	.0	2	.0	. 1
		TOTAL	3		409		474	-	6		28	1772
				56		798		54		1800		
		PCT	. 2	3.1	22.7	44.3	26.3	3.0	. 3	100.0	1.6	98.4

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 1-3 48+ 1-3 2.2 4.9 4.2 3.3 1.7 .5 .4 .0 .0 .0 .0 .0 .0 34-47 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 26-32 33-40 41-48 49-60 61-70 71-86 1-3 48+ 1-3

AREA 0016 ESPERANCE BAY S 35.45 120.6E S (FT)

PCT FREQ OF	WIND SPI	FD (KTS)	AND DIRECTIO	N VERSUS	SEA HEIGHTS	(FT)

				PC	T FREQ 0	F WIND	SPEED	(KTS)	AND DIRE	CIIUN	VERSUS !	SEA HEIG	HTS (FT)			
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.4	.4	.0	.0	•0	• 0	. 8		. 2	.5	.1	.0	.0	.0	. 8	
1-2	. 5	3.3	. 1	.0	• 0	.0	3.9		• 1	2.8	.4	.0	.0	.0	3.3	
3-4	.0	1.6	2.0	.1	• 0	.0	3.8		.0	1.6		.3	.0	.0	4.6	
5-6	.0	.4	2.1	.2	• 0	.0	2.8		.0	.1		.5	. 1	.0	3.3	
7	.0	.0	.7	.0	• 0	.0	.7		.0	.0		.7	.0	.0	1.2	
8-9	.0	.0	.0	.0	• 0	.0	.0		.0	.0		.9	.0	.0	1.8	
10-11	.0	.0	.0	.1	• 0	.0	. 1		.0	.0		. 1	. 4	.0	. 6	
12	.0	.0	.0	.3	.0	.0	.3		.0	.0		.3	.0	.0	. 3	
13-16	.0	.0	.0	.0	• 0	.0	.0		.0	.0		.4	. 4	.0	. 9	
17-19	.0	.0	.0	.0	• 0	.0	.0		.0	.0			.1	.0	.2	
20-22	.0	.0	.0	.1	.0	.0	. 1		.0	.0		.0		.0	*	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	. 3	.0	.3	
26-32	.0	.0	.0	.0	• 0	• 0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	. C		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	.0	.0		.0	.0		.0	.0	.0	.0	
TOT PCT	.9	5.7	4.9	1.0	.0	.0	12.5		.3	5.0	7.1	3.4	1.5	.0	17.2	
				W								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	PCT
<1	.1	.5	.0	.0	• 0	.0	.6			. 1	.0	.0	.0	.0	.2	
1-2	.0	2.2	. 8	.0	.0	.0	3.0		. 1	2.0	.0	.0	.0	.0	2.2	
3-4	.0	1.2	1.9	.3	.0	.0	3.4		.0	. 8		.0	.0	.0	2.7	
5-6	.0	. 4	2.7	1.1	.0	.0	4.2		.0	. 2		.0	.0	.0	. 8	
7	. 1	. 3	1.7	. 8	.0	.0	2.9			.0		.4	.0	.0	. 9	
8-9	.0	.0	.6	1.1	.0	.0	1.7		.1	.0			. 1	.0	. 3	
10-11	.0	.0	.0	. 4	. 5	.0	.9		.0	.0		.0		.0		
12	.0	.0	.0	.1	.0	.0	. 1		.0	.0	.0		.0	.0		
13-16	.0	.0	. 1	. 1	.6	.0	.9		.0	.0	.0	.0		.0		
17-19	.0	.1	. 1	.1	• 1	.0	.4		.0			.0	. 1	.0	. 2	
20-22	.0	.0	.0	.0	. 1	.0	.1		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.1	.0	.1		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
TOT PCT	.2	4.6	7.9	4.1	1.5	.0	18.3		.3	3.2		.4	.3	.0	7.3	98.5
		4.0		4	1.0	.0	10.3		• • •		2.,		.,	. 0	1.0	,0,0

MIND	SPEED	(KTS)	VS	SEA	HEIGHT	(FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.5	2.7	.3	.0	.0	.0	5.5	253
1-2	1.0	17.1	3.1	.0	.0	.0	21.2	
3-4	.1	8.9	16.4	. 8	.0	.0	26.2	
5-6	.0	2.0	16.4	2.9	. 1	.0	21.4	
7	. 1	.3	8.1	3.0	.1	.0	11.6	
8-9	.1	.0	3.0	3.4	.1	.0	6.7	
10-11	.0	.0	.1	1.4	1,1	.0	2.6	
12	.0	.0	.0	1.4	.0	.0	1.4	
13-16	.0	.0	. 1	. 5	1.2	.0	1.9	
17-19	.0	. 1	. 1	. 1	.4	.0	. 8	
20-22	.0	.0	.0	. 1	. 1	.0	.3	
23-25	.0	.0	.0	.0	. 4	.0	. 4	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								732
TOT PCT	3.8	31.1	47.7	13.7	3.7	- 0	100.0	

PERIOD: (DVER-ALL) 1949-1969 . TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.0	4.4	5.6	2.6	1.6	1.1	• 1	. 2	. 2	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	185	4
6-7	.0	.1	2.6	5.3	6.9	3.9	1.9	. 8	.9	. 3	. 1	.1	.0	.0	.0	.0	.0	.0	.0	240	7
8-9	.0	.0	1.1	4.6	4.6	5.5	2.7	2.0	1.4	1.0	. 9	. 3	. 1	.0	.0	.0	.0	.0	.0	257	9
10-11	.0	.0	. 7	1.2	2.8	2.8	2.6	1.4	2.6	.4	.6	. 1	. 5	.0	.0	.0	.0	.0	.0	166	10
12-13	.0	.0	.4	. 3	. 8	. 9	1.3	. 5	1.4	. 1	. 2	. 1	. 5	.0	.0	.0	.0	.0	.0	67	12
>13	.0	.0	.0	. 1	. 3	. 9	. 7	. 6	1.1	. 5	. 2	. 2	.2	.0	.0	.0	.0	.0	.0	51	13
INDET	.3	. 7	. 9	1.0	2.8	1.2	.4	. 4	.6	.1	.3	. 3	. 1	.0	.0	.0	.0	.0	.0	95	8
TOTAL	14	55	119	160	210	173	103	61	86	28	23	11	14	0	0	0	0	0	0	1057	8
PCT	1.3	5.2	11.3	15.1	19.9	16.4	9.7	5.8	8 . 1	2.6	2.2	1.0	1.3	- 0	.0	- 0	- 0	- 0	. 0	100.0	

PERIOD:	(PRIMARY) (OVER-ALL)	1914-1972 1857-1972	
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		1

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENT FREQUENCY	OF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION
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					Fuction		2								
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N NE	4.5	3.1	1.5	.0	.0	.0	.0	9.2	1.2	2.2	:7	.0	. 8	:0	86.6
	2.5	5.6	1.0		• 0	.0	.0								82.7
E	4.7	2.8	2.8	.0	• 0	.0	.0	10.3	2.8	4.1	.0	.0	.0	.0	87.6
SE	4.7	4.2	1.6	.0	.0	.0	1.1	11.6	.3	.5	.0	.0	.0	.0	
S	1.2	5.1	1.6	.0	.0	.0	.0	7.9	2.5	. 4	.0	.0	.0	.5	88.8
SH	2.1	8.1	1.3	.0	• 0	.0	.0	11.5	3.7	.4	. 1	.0	.0	.0	84.2
W	6.5	8.7	1.0	.0	.0	.0	.0	16.2	4.9	1.6	.1	.0	.0	.0	77.6
NW	3.8	5.0	2.4	.0	• 0	.0	.0	11.3	3.3	2.2	.6	.0	.3	.0	82.8
VAR	.0	.0	.0	.0	• 0		.0	.0	.0	.0	.0	.0	.0	. 0	.0
CALM	2.6	.0	.0	.0	•0		.0	2.6	5.3	2.6	2.6	.0	.0	.0	86.8
TOT PCT	3.8	6.0	1.5	•0	•0	.0	•	11.3	3.0	1.5	.3	.0	• 2		83.6

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATION	Y TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	2.9 3.5 4.9 3.9	6.5 7.6 6.8 2.7	1.8 1.2 1.1 2.1	.0	•0	.0	.0	11.2 12.4 12.9 8.7	2.9 3.1 2.0 4.3	.5 .0 4.2 1.2	.3	.0	.3	.0	84.7 84.1 81.3 85.1
TOT PCT	3.8	6.0	1.5	.0	•0	.0	•	11.4	3.0	1.6	. 3	.0	.3	•	83.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIT	IN SPE	ED (KNO	DTSI									(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N	.6	4.7	6.4	2.1	.2	.0		13.9	14.2	15.9				12.2		10.6		
NE	. 6	4.2	5.2	1.7	.1	.0		11.8	13.7	10.0	12.6			11.7			15.5	
E	. 3	1.9	2.5	. 2	. 2	.0		5.2	12.7	3.4	6.2	4.1	3.5			4.3	5.4	
SE	. 3	2.0	2.0	. 6	. 1	.0		5.0	12.8	5.6	5.8	3.5	5.2	5.0	5.1	4.3	5.1	
5	. 4	3,3	3.8	1.3	. 1			9.0	13.7	7.9	6.9	11.0	6.8	10.9	9.3	10.7	5.3	
SW	. 4	4.3	9.3			. 1		18.3	17.3	19.5	16.4	19.1	15.4	20.0	11.6	22.4	14.1	
¥	. 6	5.0	8.3		1.1	. 1	* .	20.2	17.3	20.3	20.4	22.8	22.7	19.4	15.8	20.7	19.0	
NW	.6	4.8						14.4	14.3	15.6	15.5	18.5	12.6	11.0	14.0	14.3	15.1	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5	
CALM	2.2	• •	• • •					2.2	.0	1.9	2.2	.0	. 9	3.3	2.8	3.4	2.3	
TOT OBS	179	885	1274	500	88	7	2933		14.8	620	313	367	217	629	214	358	215	
TOT PCT	6.1	30.2				. 2	2,33	100.0						100.0	100.0	100.0	100.0	

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL DBS	PCT FREQ	MEAN SPD	00	HOUR 06 09	12 15	18
N	1.8	7.0	4.2	.9	.0		13.9	14.2	15.2	13.9	13.0	13.1
NE	1.2	2.6	3.5	.2			5.2	12.7	4.4	3.9	7.1	5.1
E SE	1.1	2.4	1.2	.3	.0		5.0	12.8	5.7	4.1	5.0	4.6
5	1.7	4.4	2.2	.7	. 1		9.0	13.7	7.5	9.5	10.5	8.7
SW	2.1	7.3	6.1	2.4	. 4		18.3	17.3	18.4	17.7	17.9	19.3
w	2.7	7.2	7.3	2.7	. 4		20.2	17.3	20.3	22.7	18.5	20.0
NW	2.1	7.2	3.8	1.1	. 1		14.4	14.3	15.6	16.3	11.8	14.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.2						2.2	• 0	2.0	. 3	3.2	3.0
TOT DES	503	1272	863	264	31	2933		14.8	933	584	843	573
TOT PCT	17.1	43.4	29.4	9.0	1.1		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1914-1972 (UVER-ALL) 1857-1972

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GA	PERCENTAGE	FREQUENCY	OF	WIND	SPEED	BY	HOUR	(GM
--	------------	-----------	----	------	-------	----	------	-----

HOUS						KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DBS
00603	2.0	4.6	28.2			3.8	2	15 0	100 0	933
				45.4	15.8	3.0			100.0	
90300	. 3	2.7	26.9	44.0	21.9	3.6	. 5	16.5	100.0	584
12615	3.2	4.0	33.8	39.6	16.6	2.6	. 1	14.1	100.0	843
18821	3.0	3.7	31.4	45.2	14.8	1.7	. 2	14.1	100.0	573
TOT	65	114	885	1274	500	88	7	14.8		2933
										6,22
PCT	2.2	3.9	30.2	43.4	17.0	3.0	. 2		100.0	

P	CT FRE			DIRFC		(EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	G HEIG	HTS (FT, NH :	24/8)	
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	COVER	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	4.2	1.6	3.8	3.5		4.6	.0	.0	. 1	.6	1.8	.8	.6	. 2	. 2	.3	8.5	
NE	3.7	1.1	2.2	1.8		4.0	.0	.0	. 2	. 2	. 9	.7	. 5	.0	.0	. 2	6.1	
E	. 8	1.1	1.1	1.5		5.2	.0	.0	. 1	. 3	. 8	. 7	. 3	. 1	.0	.0	2.3	
SE	. 9	1.0	1.7	. 8		4.9	.0	.0	.0	. 3	. 8	. 2	. 4	. 1		.0	2.5	
S	. 9	1.6	5.3	2.7		5.8	.0	.0	.0	1.0	2.1	1.4	1.3	. 5		.0	4.1	
SW	2.1	5.1	10.3	3.8		5.3	.0	.0	. 2	2.1	5.8	2.2	1.3	. 2	.0	.1	9.4	
W	4.5	5.1	9.3	2.9		4.7	.1	. 1	. 7	2.8	3.2	1.3	.5	.0	.0	.1	13.1	
NW	4.0	2.5	5,3	2.5		4.6	.0	.0	.0	1.2	1.8	1.2	.7	.1	.1	.2	9.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7	.2	.3	. 1		2.8	.0	.0	.0	.0	.1	.2	.2	.0	.0	.0	.8	
TOT OBS	285	250	513	255	1303	4.9	1	1	16	110	226	116	74	15		12	728	1303
TOT PCT	21.9	19.2	39.4	19.6	100.0		•1	• 1	1.2	8.4	17.3	8.9	5.7	1.2	.3	.9	55.9	100.0

TABLE 7

CUMULATIVE PCT FREQ	DF SIMULTANEOUS OCCURRENCE	
	(NH >4/R) AND VSBY (NM)	

				VSBY (NM	1)			
CEILING	• UR	- DR	. DR	- OR	- DR	- DR	• DR	• DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
OR >5000	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4
DR >3500	7.2	8.0	8.1	8.1	8.1	8.1	8.1	8.1
OR >2000	14.6	16.7	17.0	17.1	17.1	17.1	17.1	17.1
GR >1000	28.6	33.4	34.6	34.6	34.6	34.6	34.6	34.6
DR >600	34.7	41.3	42.9	43.0	43.0	43.0	43.0	43.0
DR >300	35.3	42.3	44.1	44.2	44.2	44.3	44.3	44.3
OR >150	35.3	42.4	44.1	44.3	44.3	44.4	44.4	44.4
	35.3	42.5	44.2	44.4	44.4	44.4	44.4	44.4
TOTAL	469	564	587	589	589	590	590	590

TOTAL NUMBER OF DAS: 1328 PCT FREQ NH 45/81 55.6

TABLE 7A

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO OBS 10.2 10.8 11.1 12.5 10.5 9.7 9.4 11.2 14.5 .1 1483

								MAY					
(PRIMARY) 1 (DVER-ALL) 1	914-1972 857-1972						ТА	BLF B				ARE	A 0016 ESPERANCE BAY S 35.45 120.6E
		P	ERCENT						URRENC				E DF
VSBY (NM)		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0		.0	.0	.0	*	
<1/2	NO PCP	.0	.0	.0	.0	.0			.0	.0		. 1	
	TOT *	• 0	• 0	.0	.0	.0		. 1	.0	.0		.1	
	PCP	.0		.0		.0	.1	.0	.0	.0	.0	.2	
1/2<1	NO PCP	• 1	.0	.0	.0	.0	.0		.0	.0	.0	. 2	
	TOT %	• 1	•	.0		.0	. 1		. 1	.0	.0	.4	
	PCP		.0	.0	.0		• 1			.0	.0	.3	
1<2	NO PCP		• 1	.0	.0			.0		.0	.0	. 2	
	TOT %	• 1	. 1	.0	.0	. 1	. 2		. 1	.0	.0	.5	
	PCP	• 1			.0		.2	.2	. 4	.0	.0	.9	
2<5	NO PCP	• 1	. 1	.0	.1	.?	.2	.2		.0	.0	. 8	
	TOT %	. 2	• 1	•	. 1	. 2	.4	.4	.4	.0	.0	1.8	
	PCP	.7	.7	.4	. 3	.4	.9	2.0	.7	.0	.0	6.2	
5<10	NO PCP	3.6	3.1	1.2	1.1	2.4	5.0	4.3	4.0	.0	. 2	25.1	
	TOT %	4.3	3.9	1.7	1.4	2.8	6.0	6.4	4.7	.0	. 2	31.3	
	PCP	.4	.2	.0	.2	. 3	.9	1.1	.6	.0		3.7	
10+	NO PCP	8.4	6.4	2.7	2.6	6.3	12.0	13.0	9.3	.0	1.4	62.2	
	TOT %	8.8	6.6	2.7	2.8	6.6	13.0	14.1	10.0	.0	1.4	65.9	
	TOT OBS												2212
	TOT PCT	13.4	10.7	4.4	4.3	9.7	19.6	21.0	15.3	-0	1.7	100.0	

TABLE 9

				PERCEN	T FREQ WITH V	ARY INC	ND DIF	S OF V	VS WI	ND SPE	ED		
VSBY (NM)	SPD KTS	N	NE	E	SE	s	SW	*	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	*		.0	.0		.1	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0		.0	.0			
	TOT %	.0	.0	.0	.0	.0		. 1	.0	.0		.1	
	0-3			.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	4-10	.0	.0	.0		.0	.0	.0		.0		.1	
	11-21	.0	.0	.0	.0	.0	.1			.0		. 2	
	22+		.0	.0	.0	.0	.0	.0	.0	.0			
	TOT %	.1		.0		.0	.1	•	. 1	.0	.0	.4	
	0-3		. 1	.0			.1	.0		.0	.3	.7	
1<2	4-10				.0	. 1	. 1		.0	.0		. 3	
	11-21		.1	.0	.0	.0		.1	. 1	.0		. 3	
	22+		.0	.0	.0	.1	.1	. 1	.0	.0		. 3	
	TOT %	. 1	. 2	•		. 2	. 4	. 2	.1	.0	. 3	1.6	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	4-10	.0	.0	.0		.0		.0		.0		.1	
	11-21	.1	• 1		.0	. 1	.1		.2	.0		. 5	
	22+	. 1		.0		. 1	.3	.4	. 2	.0		1.2	
	TOT %	.2	• 1		. 1	. 2	. 4	.4	.4	.0	.0	1.8	
	0-3	. 2	.2	. 1		. 1	. 1	. 2	.1	.0	. 2		
5<10		1.1	. 8	.5	. 4	. 8	.6	. 9	1.1	.0		6.1	
	11-21	2.0	2.0	. 8	.6	1.2	2.6	2.5	2.4	.0		14.1	
	22+	. 8	.6	. 2	. 3	.5	2.3	2.5	. 7	.0		7.9	
	TOT \$	4.0	3.6	1.5	1.3	2.6	5.6	6.0	4.4	.0	. 2	29.4	
	0-3	. 3	.2		. 2	.3	. 2	. 3	.6	.0	1.8	3.8	
10+	4-10	3.4	3.1	1.2	1.2	2.9	3.7	4.1	3.8	.0		23.5	
	11-21	4.3	3.4	1.6	1.1	2.6	5.5	5.6	4.3	.0		28.3	
	22+	1.4	. 8	.0	. 1	.6	3.2	3.8	1.3	.0		11.1	
	TOT \$	9.4	7.6	2.9	2.6	6.4	12.5	13.7	9.9	.0	1.8	66.7	
	TOT DAS												2390
	TOT PCT	13.8	11.5	4.5	4.0	9.4	19.1	20.4	14.9	.0	2.3	100.0	

TABLE 10

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/6 BY HOUR

				00	CORRE				BOK			
		300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL		
.0	.0	1.4	7.2	19.6	11.3	5.8	1.4	.0	1.1	47.8	52.2	362
.0	.0	2.3	9.1	17.6	9.1	5.1	1.7	. 3	1.4	46.5	53.5	353
	.0	.0 .0	.0 .0 1.4	.0 .0 1.4 7.2	000 150 300 600 1000 149 299 599 999 1999 .0 .0 1.4 7.2 19.6	000 150 300 600 1000 2000 149 299 599 999 1999 3499 .0 .0 1.4 7.2 19.6 11.3	000 150 300 600 1000 2000 3500 149 299 599 999 1999 3499 4999 .0 .0 1.4 7.2 19.6 11.3 5.8	000 150 300 600 1000 2000 3500 5000 149 299 599 999 1999 3499 4999 6499 .0 .0 1.4 7.2 19.6 11.3 5.8 1.4	000 150 300 600 1000 2000 3500 5000 6500 149 299 599 999 1999 3499 4999 6499 7999 .0 .0 1.4 7.2 19.6 11.3 5.8 1.4 .0	000 150 300 600 1000 2000 3500 5000 6500 8000+ 149 299 599 999 1999 3499 4999 6499 7999 .0 .0 1.4 7.2 19.6 11.3 5.8 1.4 .0 1.1	000 150 300 600 1000 2000 3500 5000 6500 8000+ TDTAL 149 299 599 999 1999 3499 4999 6499 7999 .0 .0 1.4 7.2 19.6 11.3 5.8 1.4 .0 1.1 47.8	149 299 599 999 1999 3499 4999 6499 7999 ANY HGT

12615 .0 .3 .8 7.2 15.8 6.9 5.5 .6 .6 .6 38.2 61.8 361
18621 .3 .0 .3 8.2 13.0 6.6 4.8 .9 .3 .3 34.7 65.3 331

TOT 1 1 1 17 111 233 120 75 16 4 12 590 817 1407
PCT .1 .1 1.2 7.9 16.6 8.5 5.3 1.1 .3 .9 41.9 58.1 100.0

TABLE 11

TABLE 12

								CUMULAT					VSBY (NM)	
		PERCENT	PREMIE	NCY VSBY	(NM)	BY HOUR			CEILIN	G HGT	(FEET,	NH >4/8), BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
60300	. 1	•6	• 8	1.4	28.3	68.8	714	00603	.0	1.5	9.9	40.9	49.1	342
90330	. 2	• 2	.4	1.4	26.7	71.2	510	06609	.0	2.4	13.1	35.9	51.0	337
12615	. 1	.3	4.1	2.5	33.6	59.4	711	12815	.0	1.2	11.3	30.1	58.6	336
18821	. 2	.4	.6	1.6	28.3	68.9	508	18621	.3	1.0	11.8	25.9	62.3	313
TOT PCT	.2	9	40	43	721 29.5	1626	2443	T D T PC T	1	20	153	33.4	732 55.1	1328

TABLE 12

TABLE 1

															E 14				
PERCE	ENT FR	E O U E NC	Y DF R	ELATIVE	HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
0-29	30-39	40-49	5059	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	1.0	4.1	4.6	3.0	12	12.9	3.7	2.3	.0	.0	.0	•	. 1	.1	.0	.2
		.1	1.0	8.7	16.3	16.5	6.4	855	49.1	7.0	6.7	2.7	1.5	2.1	7.6	12.1	8.4	.0	1.0
.0	.0	.0	. 4	1.8	.9	.9	. 3	76	4.4	.0	.0	.0	. 3	1.9	1.6	. 4	.0	.0	.1
0	1	3	60	329	365	545	239	1742						.0		.1	.0		.0
	0-29	0-29 30-39 .0 .0 .0 .0 .0 .0 .1 .0 .0 .0 .0 .0 .0	0-29 30-39 40-49 .0 .0 .0 .0 .0 .0 .1 .1 .0 .0 .0 .0 .0 .1 .1 .0 .0 .0 .1	0-29 30-39 40-49 5059 .0 .0 .0 .0 .7 .0 .1 .1 1.0 .0 .0 .0 .1 1.8 .0 .0 .0 .0 .4 .0 .0 .0 .0 .0	0-29 30-39 40-49 50.59 60-69 .0 .0 .0 .0 .1 .0 .0 .0 .2 1.0 .0 .1 1.0 8.7 .0 .0 .1 1.8 7.3 .0 .0 .0 .4 1.8 .0 .0 .0 .0 .0 .2 .0 .0 .0 .0 .0 .0	0-29 30-39 40-49 50-59 60-69 70-79 .0 .0 .0 .0 .0 .1 .3 .0 .0 .0 .2 1.0 4.1 .0 .1 .1 1.0 8,7 16,3 .0 .0 .1 1.8 7.3 10.8 .0 .0 .0 .4 1.8 .9 .0 .0 .0 .0 .0 .0 .0 .0 1 3 60 329 565	0-29 30-39 40-49 5059 60-69 70-79 80-89 .0 .0 .0 .0 .1 .3 .1 .0 .0 .0 .0 .2 1.0 4.1 4.6 .0 .1 .1 1.0 8.7 16.3 16.5 .0 .0 .1 1.8 7.3 10.8 9.0 .0 .0 .0 .4 1.8 .9 .9 .0 .0 .0 .0 .4 1.8 .9 .9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	0 .0 .0 .0 .0 .1 .3 .1 .2 .0 .0 .0 .1 .3 .1 .2 .0 .0 .0 .0 .7 1.0 4.1 4.6 3.0 .0 .0 .1 1.1 1.0 8.7 16.3 16.5 6.4 .0 .0 .0 .1 1.8 7.3 10.8 9.0 3.8 .0 .0 .0 .0 .4 1.8 .9 .9 .3 .0 .0 .0 .0 .0 .0 .1 .1 .1 0 1 3 60 329 565 545 239	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS .0 .0 .0 .0 .0 .1 .3 .1 .2 12 .0 .0 .0 .0 .2 1.0 4.1 4.6 3.0 225 .0 .1 .1 1.0 8.7 16.3 16.5 6.4 855 .0 .0 .1 1.8 7.3 10.8 9.0 3.8 572 .0 .0 .0 .4 1.8 .9 .9 .3 76 .0 .0 .0 .0 .0 .1 .1 .2 .0 .1 3 60 329 365 545 239 1742	0-29 30-39 40-49 50.59 60-69 70-79 80-89 90-100 DBS FREQ .0 .0 .0 .0 .1 .3 .1 .2 12 .7 .0 .0 .0 .0 .2 1.0 4.1 4.6 3.0 225 12.9 .0 .1 .1 1.0 8.7 16.3 16.5 6.4 855 49.1 .0 .0 .1 1.8 7.3 10.8 9.0 3.8 572 32.8 .0 .0 .0 .4 1.8 .9 .9 .3 76 4.4 .0 .0 .0 .0 .0 .1 .1 .2 .1 .0 .1 3 60 329 565 545 239 1742 100.0	0-29 30-39 40-49 5059 60-69 70-79 80-89 90-100 DBS FREQ N .0 .0 .0 .0 .1 .3 .1 .2 12 .7 .1 .0 .0 .0 .0 .7 1.0 4.1 4.6 3.0 225 12.9 3.7 .0 .1 1.1 1.0 8.7 16.3 16.5 6.4 855 49.1 7.0 .0 .0 .0 .1 1.8 7.3 10.8 9.0 3.8 572 32.8 1.5 .0 .0 .0 .0 .4 1.8 .9 .9 .3 76 4.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 2 .1 .0 .0 .0 .1 3 60 329 565 545 239 1742 100.0	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS FREQ N NE .0 .0 .0 .0 .0 .1 .3 .1 .2 12 .7 .1 .1 .0 .0 .0 .0 .7 1.0 4.1 4.6 3.0 225 12.9 3.7 2.3 .0 .1 .1 1.0 8.7 16.3 16.5 6.4 855 49.1 7.0 6.7 .0 .0 .1 1.8 7.3 10.8 9.0 3.8 572 32.8 1.5 1.5 1.9 .0 .0 .0 .4 1.8 .9 .9 .3 76 4.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .2 .1 .0 .0 .0 .1 3 60 329 565 545 239 1742 100.0	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS FREQ N NE E .0 .0 .0 .0 .0 .1 .3 .1 .2 12 .7 .1 .0 .0 .0 .0 .2 1.0 4.1 4.6 3.0 225 12.9 3.7 2.3 .4 .0 .1 .1 1.0 8.7 16.3 16.5 6.4 855 49.1 7.0 6.7 2.7 .0 .0 .1 1.8 7.3 10.8 9.0 3.8 572 32.8 1.5 1.9 1.4 .0 .0 .0 .0 .4 1.8 .9 .9 .3 76 4.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 2 .1 .0 .0 .0 1 3 60 329 565 545 239 1742 100.0	0-29 30-39 40-49 50.59 60-69 70-79 80-89 90-100 DBS FREQ N NE E SE .0 .0 .0 .0 .0 .1 .3 .1 .2 12 .7 .1 .1 .0 .0 .0 .0 .0 .0 .2 1.0 4.1 4.6 3.0 225 12.9 3.7 2.3 4 .1 .0 .1 .1 1.0 8.7 16.3 16.5 6.4 855 49.1 7.0 6.7 2.7 1.5 .0 .0 .1 1.8 7.3 10.8 9.0 3.8 572 32.8 1.5 1.9 1.4 1.9 .0 .0 .0 .0 .4 1.8 .9 .9 .3 76 4.4 .0 .0 .0 .3 .0 .0 .0 .0 .0 .1 1.8 7.3 10.8 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0-29 30-39 40-49 50.59 60-69 70-79 80-89 90-100 DBS FREQ N NE E SE S .0 .0 .0 .0 .0 .1 .3 .1 .2 12 .7 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .2 1.0 4.1 4.6 3.0 225 12.9 3.7 2.3 .4 .1 .2 .0 .1 .1 1.0 8.7 16.3 16.5 6.4 855 49.1 7.0 6.7 2.7 1.5 2.1 .0 .0 .1 1.8 7.3 10.8 9.0 3.8 572 32.8 1.5 1.9 1.4 1.9 6.3 .0 .0 .0 .0 .4 1.8 .9 .9 .3 76 4.4 .0 .0 .0 .3 1.9 .0 .0 .0 .0 .0 .0 .1 1.1 2 .1 .0 .0 .0 .0 .0 .1 3 60 329 565 545 239 1742 100.0	0-29 30-39 40-49 50.59 60-69 70-79 80-89 90-100 DBS FREQ N NE E SE S SW .0 .0 .0 .0 .0 .1 .3 .1 .2 12 .7 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .1 .2 .1 .0 .4.1 4.6 3.0 225 12.9 3.7 2.9 .4 .1 .2 .3 .0 .1 .1 .1 1.0 8.7 16.3 16.5 6.4 855 49.1 7.0 6.7 2.7 1.5 2.1 7.6 .0 .0 .1 1.8 7.3 10.8 9.0 3.8 572 32.8 1.5 1.9 1.4 1.9 6.3 10.8 .0 .0 .0 .0 .1 1.8 7.3 10.8 9.0 3.8 572 32.8 1.5 1.9 1.4 1.9 6.3 10.8 .0 .0 .0 .0 .1 1.8 7.3 10.8 9.0 3.8 572 32.8 1.5 1.9 1.4 1.9 6.3 10.8 .0 .0 .0 .0 .1 1.1 2 .1 .0 .0 .0 .0 .3 1.9 1.6 .0 .0 .0 .1 1.1 2 .1 .0 .0 .0 .0 .0 .1 1.1 2 .1 .0 .0 .0 .0 .0 .1 1.1 2 .1 .0 .0 .0 .0 .0 .1 1.1 2 .1 .0 .0 .0 .0 .0 .1 .1 1.0 1.0 .0 .0 .0 .1 .1 1.0 1.0	0-29 30-39 40-49 50.59 60-69 70-79 80-89 90-100 DBS FREQ N NE E SE S SW W .0 .0 .0 .0 .1 .3 .1 .2 12 .7 .1 .1 .0 .0 .0 .0 .1 .3 .1 .2 12 .7 .3 .7 .2 .3 .4 .1 .2 .3 1.7 .0 .1 1.1 1.0 8.7 16.3 16.5 6.4 855 49.1 7.0 6.7 2.7 1.5 2.1 7.6 12.1 .0 .0 .0 .1 1.8 7.3 10.8 9.0 3.8 572 32.8 1.5 1.9 1.4 1.9 6.3 10.8 6.6 .0 .0 .0 .0 .4 1.8 .9 .9 .3 76 4.4 .0 .0 .0 .3 1.9 1.6 .4 .0 .0 .0 .0 .1 .1 .1 2 .1 .0 .0 .0 .0 .0 .1 .1 .1 2 .1 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	0-29 30-39 40-49 50.59 60-69 70-79 80-89 90-100 DBS FREQ N NE E SE S SW W NW .0 .0 .0 .0 .1 .3 .1 .2 12 .7 .1 .1 .0 .0 .0 .0 .1 .3 .1 .2 12 .7 .1 .1 .0 .0 .0 .0 .1 .3 .1 .7 3.4 .0 .1 .1 .1 1.0 8.7 16.3 16.5 6.4 855 49.1 7.0 6.7 2.7 1.5 2.1 7.6 12.1 8.4 .0 .0 .1 1.8 7.3 10.8 9.0 3.8 572 32.8 1.5 1.9 1.4 1.9 6.3 10.8 6.6 2.0 .0 .0 .0 .0 .4 1.8 .9 .9 .3 76 4.4 .0 .0 .0 .0 3 1.9 1.6 .4 .0 .0 .0 .0 .3 1.9 1.6 .4 .0 .0 .0 .0 .1 3 60 329 565 545 239 1742 100.0	0-29 30-39 40-49 50.59 60-69 70-79 80-89 90-100 DBS FREQ N NE E SE S SW W NW VAR .0 .0 .0 .0 .0 .1 .3 .1 .2 12 .7 .1 .1 .0 .0 .0 .0 .1 .1 3.4 .0 .0 .0 .0 .1 .1 3.4 .0 .0 .0 .0 .1 .1 3.4 .0 .0 .0 .0 .1 1.1 8.4 .0 .1 .0 .0 .0 .0 .1 1.1 8.4 .0 .0 .0 .0 .1 1.1 8.4 .0 .0 .0 .0 .1 1.1 8.4 .0 .0 .0 .0 .1 1.8 7.3 10.8 9.0 3.8 572 32.8 1.5 1.9 1.4 1.9 6.3 10.8 6.6 2.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .

TARLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00803	72	69	56	61	55	52	49	61.0	920
06609	72	69	57	62	56	53	49	61.5	580
18621	71 69	69	65	61	55	52	50	60.6	853
TOT	72	69	56	61	55	52	49	59.9 60.8	580 2933

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)

0029 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL

DBS

00603 .0 2.8 16.1 29.8 34.8 16.5 79 503

00603 .0 4.4 23.3 37.6 25.1 9.6 76 38.6 126.5 .0 3.2 17.0 34.9 29.9 15.0 79 505

12615 .0 4.7 20.3 26.1 35.1 11.9 78 38.5 186.2 10 6.5 335 579 558 242 78 1779

AREA 0016 ESPERANCE BAY S 35.45 120.6E

a series and

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

VS	AIR	-SEA	TEMPE	RATURE	DIFF	EVENCE	(DEG F)			
AIR-SEA	49	53	57	61	65	69	TOT	W	WO	
TMP DIF	52	56	60	64	68	72		FOG	FDG	
11/13	.0	.0	.0	. 1	.0	. 1	2	.0	.1	
7/8	.0	.0	.0	.0	. 2	.0	2 3 7	.0	. 2	
6	.0	.0	.0	.0	. 3	. 1	7	.0	. 4	
5	.0	.0	.0	. 2	.5	. 1	14	.0	. 8	
4	.0	.0		.7	.6	. 2	28	.0	1.5	
3	.0	. 1	. 1	1.2	1.6	. 3	59	.0	3.2	
3 2 1 0	.0	.0	.4	3.3	1.6	. 2	101	. 1	5.4	
1	.0	. 1	1.0	5.4	1.8	. 1	156	. 2	8.3	
0	.0	. 1	2.2	7.3	1.6	.0	208	. 1	11.2	
-1	.0	. 2	4.6	6.5	1.3	. 1	236	.0	12.7	
-2	.0	.4	5.1	4.9	.9	.0	207	.0	11.2	
-3	.0	1.1	7.1	4.6	. 4	.0	246	. 1	13.2	
-4	.0	. 9		2.4	. 1	.0	165	.0	8.9	
-5	. 1	1.4		1.5	. 1	.0	146	. 1	7.8	
-6	. 3	1.9	2.2	. 9	. 1	.0	100	.0	5.4	
-7/-8	. 1	2.3		. 5	. 1	.0	103	.0	5.6	
-9/-10	. 5	1.2		. 2	.0	.0	53	.0	2.9	
-11/-13	. 2	.3		• 1	.0	.0	16	.0	. 9	
-14/-16	.0	. 1	.1	.0	.0	.0	3	.0	. 2	
TOTAL	22		686		205			7	1846	
		185		736		19	1853			
PCT	1.2		37.0		11.1	1.0	100.0	.4	99.6	

PERIOD: (OMER-ALL) 1963-1972

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	• 0	.0	.1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.7	.6	.0	.0	• 0	2.3	.0	1.5	.7	.0	.0	.0	2.2
3-4	.0	1.4	2.6	.3	• 0	.0	4.3	.0	1.1	1.6	.2	.0	.0	2.9
5-6	.0	.7	2.5	.0	.0	.0	3.2	• 0	.0	1.2	.3	.0	.0	1.4
8-9	.0	.0	1.4	.3	.0	.0	1.7	.0	.0	.3	.3	.0	.0	.6
10-11	.0	.0	.0	.3	• 1	.0	. 4	•0	.0	.0	.5		.0	.5
	.0	.0	.0	.0	.0	• 0	.0	•0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.1	• 0	• 0	• 1	• 0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	• 0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0		• 0	• 0	.0		.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	• 0	.0	• 0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	•0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
41-48			.0	.0	• 0	•0	.0		.0		.0	.0	.0	.0
49-60	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
71-86			.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0
87+	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	7.1	1.1	.1	.0	12.2	.0	2.0	3.8	1.2	.0	.0	7.6
101 701	.0	3.7		1	••	•0	12.2	•0		3,0	1.2		.0	(.0
				E							SE			
нот	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	14-21	SE 22-33	34-47	48+	PCT
<1	.0	.0	.0	22-33	34-47	48+	.0	• 1		.0	SE 22-33	34-47	48+	. 1
<1 1-2	.0	.0	.0	.0	•0	.0	1.0	.1	.9	.0	.0	.0	.0	1.4
1-2 3-4	.0	.0	.0 .1	22-33	• 0	.0	.0 1.0 1.6	.1	.9	.3	.0	.0	.0	1.4
1-2 3-4 5-6	.0 .1 .0	.6	1.0	22-33	•0	.0	.0 1.0 1.6	•1 •3 •0 •0	.9	.0	22-33	.0	.0	1.4
11-2 3-4 5-6 7	.0	.6	1.0	22-33	.0	.0	.0 1.0 1.6	.1	.9	.0	22-33	.0	.0	1.4 .4 .5
<1 1-2 3-4 5-6 7	.0 .1 .0 .0	.0	.0 .1 1.0 .5 .1	22-33	.0	•0	1.0 1.6 .5	.1 .3 .0 .0	.9	.0 .3 .2 .5	22-33	.0	.0	.1 1.4 .5 .0
11-2 3-4 5-6 7 8-9 10-11	.0 .1 .0 .0	.0	.0 .1 1.0 .5 .1	22-33	.0	•0	.0 1.0 1.6 .5 .1	.1 .3 .0 .0	.9	.0 .3 .2 .5 .0	22-33	.0	.0	.1 1.4 .4 .5 .0
1-2 3-4 5-6 7 8-9 10-11	.0	.0	.0 .1 1.0 .5 .1 .1	22-33	.0	•0	.0 1.0 1.6 .5 .1	.1 .3 .0 .0 .0	.9	.0 .3 .2 .5 .0 .0	22-33	.0	.00.00	.1 1.4 .4 .5 .0
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16	.0	.0	.0 .1 1.0 .5 .1 .1 .0	22-33	.0	.0	.0 1.0 1.6 .5 .1	.1 .3 .0 .0 .0	.9	.0 .3 .2 .5 .0 .0	22-33	.0	.00.00	.1 1.4 .5 .0 .0
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19	.0	.0	.0 .1 1.0 .5 .1 .1 .0	22-33	.0	.00	.0 1.0 1.6 .5 .1 .1	.1	.9	.0	22-33	.0	.0	.1 1.4 .5 .0 .0 .1
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	.0	.0	1.0	22-33	.0	.00000000000000000000000000000000000000	.0 1.0 1.6 .5 .1 .1 .0 .0	.1	.9	.0 .3 .2 .5 .0 .0 .0 .0 .1 .0 .0 .0	22-33	.00	.00000000000000000000000000000000000000	.1 1.4 .5 .0 .0 .1 .0 .0 .0
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.0	.0	1.0	22-33	.0	.00000000000000000000000000000000000000	.0 1.0 1.6 .5 .1 .1 .0 .0	.1 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.9	.0 .3 .2 .5 .0 .0 .0 .0 .0 .0 .0 .0	22-33	.00000000000000000000000000000000000000	.00.00000000000000000000000000000000000	.1 1.4 .5 .0 .0 .0 .0 .0 .0 .0
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.0	.0	.0	22-33	.0	.00000000000000000000000000000000000000	.0 1.0 1.6 .5 .1 .0 .0	.1	.9	.03.2.55.00.00.00.00.00.00.00.00	22-33	.00	000000000000000000000000000000000000000	.1 1.4 .5 .0 .0 .0 .0 .0 .0 .0 .0
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	.0	.0 .8 .6 .00 .00 .00 .00 .00 .00 .00 .00 .00	.0 .1 1.0 .5 .1 .0 .0 .0	22-33	.0	.00000000000000000000000000000000000000	.0 1.0 1.6 .5 .1 .0 .0 .0	.00	.9	.03	22-33	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	.1 1.4 .5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 26-32 33-40 41-48	.0	.08	100	22-33	.0	.00000000000000000000000000000000000000	.0 1.0 1.6 .5 .1 .1 .0 .0 .0	.1 .3 .0 .0 .0 .0 .0 .0	9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	.03	22-33	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	11.4
1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	.0	.0 .8 .6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	100000000000000000000000000000000000000	22-33	.0	.00	.0 1.0 1.6 .5 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.1 .3 .0 .0 .0 .0 .0 .0	* 9 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.03	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	.1 1.4 .5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.0	.0 .8 .6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .1 1.0	22-33	.0	.00	1.0 1.6 .5 .1 .1 .0 .0 .0	.1	* .9 .2	.03.25.50.00.00.00.00.00.00.00.00.00.00.00.00	22-33	000000000000000000000000000000000000000	.0	.1 1.4 .4 .5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 23-25 33-40 41-48 49-60 61-70 71-86	.0	.0 .8 .6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .1 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	22-33	.00	.00	.0 1.6 .5 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.1	* 9 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.03	22-33	000000000000000000000000000000000000000	.0	.1 1.4 .4 .5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.0	.0 .8 .6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .1 1.0	22-33	.0	.00	1.0 1.6 .5 .1 .1 .0 .0 .0	.1	* .9 .2	.03.25.50.00.00.00.00.00.00.00.00.00.00.00.00	22-33	000000000000000000000000000000000000000	.0	.1 1.4 .4 .5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

TABLE 18 (CONT)

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PCT	FREO D	E WIND	SPEED	(KTS)	AND	DIRECTION	VERSUS	SFA	HEIGHTS	(FT)

				s							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.4	. 3	.0	.0	.0	.0	.7	.0	.5	.0	.0	.0	.0	.5	
1-2	. 4	2.2	.6	.0	.0	.0	3.1	.3	2.5	1.0	.0	.0	.0	3.8	
3-4	.0	1.3	. 8	.0	.0	.0	2.1	.0	1.0	2.1	. 5	.0	.0	3.6	
5-6	.0	.0	.6	. 1	.0	.0	. 8	.0	. 6	3.4	1.1	.0	.0	5.1	
7	.0	. 1	.8	. 2	.0	.0	1.1	.0	. 2	2.3	1.3	. 4	.3	4.5	
8-9	.0	.0	.1	.4	.0	.0	. 5	.0	.0	.6	1.7	. 3	.0	2.6	
10-11	.0	. 0	. 1	. 1	.0	.0	.2	.0	*	. 5	1.1	. 1	.0	1.7	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.0	. 3	.0	. 4	
13-16	.0	.0	.0	. 1	.0	.0	.1	.0	.0	. 1	. 3	.0	.0	. 4	
17-19	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	. 1		.0	. 2	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 1	.1	.0	. 3	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 1	.0	.1	
26-32	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	.0	.0	.0	.0			.0	.0		
71-86	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	3.1	.0	•0	.0	8.7	.3	4.9	10.1	6.3	1.3	.3	23.2	
TUT PCT	. 0	3.9	3.1		• 0	.0	0.1				0.5	,	.,	23,2	
				w							NW				TOTAL
HGT	1-3	4-10	11-21	W 27-33	34-47	48+	PCT	1-3	4-10	11-21	NW 22-33	34-47	48+	PCT	TOTAL
		4-10	11-21	22-33	34-47			1-3	4-10	11-21		34-47	48+	PCT .2	
<1	.0	.0	.0	22-33		48+	.0				22-33				
	.0	2.5	1.3	27-33	.0	.0	3.8	.0	2.3	.0 .7 2.3	22-33	.0	.0	2.9 5.5	
<1 1-2	.0	.0	.0	22-33	.0	.0	.0	.0	2,3	.0 .7 2.3 3.3	.0	.0	.0	2.9 5.5 4.4	
<1 1-2 3-4	.0	2.5 2.7	1.3	27-33	•0	.0	.0 3.8 6.3	.0	2.3 2.9 .4	.0 .7 2.3 3.3	22-33	.0	.0	2 2.9 5.5 4.4 1.5	
<1 1-2 3-4 5-6 7 8-9	.0	2.5 2.7	0. 1.3 8.8 3.6	22-33 .0 .0 .7 2.0	.0	.0	3.8 6.3 5.9	.0	2.3 2.9 .4 .1	.0 .7 2.3 3.3 1.2	22-33	.0	.0	.2 2.9 5.5 4.4 1.5	
1 1 - 2 3 - 4 5 - 6 7 8 - 9 10 - 11	.0	2.5 2.7 .3	1.3 2.8 3.6	22-33 .0 .0 .7 2.0 3.0 .5	.0	.0	.0 3.8 6.3 5.9 5.1 1.4 1.3	.0	2.3 2.9 .4 .1	2.3 3.3 1.2	22-33	.0	.0	2.9 5.5 4.4 1.5	
<1 1-2 3-4 5-6 7 8-9	.0	2.5 2.7 .3	1.3 2.8 3.6 1.6	22-33 .0 .0 .7 2.0 3.0	.0	.0	3.8 6.3 5.9 5.1	.0	2.3 2.9 .4 .1	2.3 3.3 1.2 .0	22-33	.0	.0	.2 2.9 5.5 4.4 1.5 .3	
1 1 - 2 3 - 4 5 - 6 7 8 - 9 10 - 11	.0	2.5 2.7 .3 .0	1.3 2.8 3.6 1.6	22-33 .0 .0 .7 2.0 3.0 .5 .6	.0	.0	.0 3.8 6.3 5.9 5.1 1.4 1.3	.0	2.3 2.9 .4 .1 .1 .0 .0 .0	.0 .7 2.3 3.3 1.2 .0 .1	22-33	.0	.0	2 2.9 5.5 4.4 1.5 .3 .5 *	
<1 1-2 3-4 5-6 7 8-9 10-11 12	.0	2.5 2.7 .3 .0 .0	.0 1.3 2.8 3.6 1.6 .9 .4	22-33 .0 .0 .7 2.0 3.0 .5 .6 .4	.0	.0	.0 3.8 6.3 5.9 5.1 1.4 1.3	.0	2 2.3 2.9 .4 .1 .0 .0	.0 .7 2.3 3.3 1.2 .0 .1	22-33	.0	.0	.2 2.9 5.5 4.4 1.5 .3 .5 *	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	0000000000	2.5 2.7 .3 .0 .0	.0 1.3 2.8 3.6 1.6 .9 .4	27-33 .0 .0 .7 2.0 3.0 .5 .6 .4 .4	.0	.0	3.8 6.3 5.9 5.1 1.4 1.3 .5 .4	.0	2 2.3 2.9 .4 .1 .0 .0	.0 .7 2.3 3.3 1.2 .0 .1	22-33	.0	.0	.2 2.9 5.5 4.4 1.5 .3 .5 *	
<pre><1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25</pre>	00000000000	2.5 2.7 .3 .0 .0 .1 .0	.0 1.3 2.8 3.6 1.6 .9 .4	27-33 .0 .0 .7 2.0 3.0 .5 .6 .4 .4	.0	.0	3.8 6.3 5.9 5.1 1.4 1.3 .5 .4	.0	2 2 3 2 9 4 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0 .7 2.3 3.3 1.2 .0 .1	22-33	.0	.00000000000000000000000000000000000000	.2 2.9 5.5 4.4 1.5 .3 .5 *	
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	000000000000000000000000000000000000000	2.5 2.7 3 .0 .0 .1 .0	1.3 2.8 3.6 1.6 9.4 .1	27-33 .0 .0 .7 2.0 3.0 .5 .6 .4 .1 .1	.0	.0	3.8 6.3 5.9 5.1 1.4 1.3 .5 .4 .8	.0	2 2 3 2 9 4 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0 .7 2.3 3.3 1.2 .0 .0	22-33	.0	.00000000000000000000000000000000000000	.2 2.9 5.5 4.4 1.5 .3 .5 *	
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	000000000000000000000000000000000000000	2.5 2.7 3 .0 .0 .1 .0	1.3 2.8 3.6 1.6 9 .4 .1	27-33 .0 .0 .7 2.0 3.0 .5 .6 .4 .1	.0	.00000000000000000000000000000000000000	3.8 6.3 5.9 5.1 1.4 1.3 .5 .4 .8	.0	2 2 3 2 9 4 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0 .7 2.3 3.3 1.2 .0 .1	22-33	.0	.00000000000000000000000000000000000000	.2 2.9 5.5 4.4 1.5 .3 .5 *	
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48		2.57 2.77 .30 .00 .10 .00 .00 .00 .00	1.3 2.8 3.6 1.6 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	27-33 .0 .0 .7 2.0 3.0 .5 .6 .4 .4 .1 .0	.0	.00000000000000000000000000000000000000	.0 3.8 6.3 5.9 5.1 1.4 1.3 .5 .4 .8 .1	.00	2 2 3 2 9 4 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0 .7 2.3 3.3 1.2 .0 .1	22-33	.0	.00000000000000000000000000000000000000	.2 2.9 5.5 4.4 1.5 .3 .5 *	
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	000000000000000000000000000000000000000	2,5	1.3 2.8 3.6 1.6 9 .4 1.0 .0 .0	27-33 .0 .0 .7 .7 .0 3.0 .5 .6 .4 .4 .1 .1 .0 .0	.0	.00000000000000000000000000000000000000	.0 3.8 6.3 5.9 5.1 1.4 1.3 .5 .4 .8 .1 .0	.00	223 294 411 000 000 000 000 000	.0 .7 2.3 3.3 1.2 .0 .0 .0 .0	22-33 .0 .0 .3 .7 .1 .2 .3 .4 .0 .0 .0 .0	.0	.00000000000000000000000000000000000000	2 2 9 5 5 5 4 4 4 5 1 5 3 5 * *	
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	000000000000000000000000000000000000000	2.5 2.7 3 .0 .0 .1 .0 .0 .0	.001.332.883.664.994.44.11.000.000.000.000.000.000.000.000.	27-33 .0 .0 .7 2.0 3.0 .5 .6 .4 .4 .1 .1	.0	.00000000000000000000000000000000000000	0 3.8 6.3 5.9 5.1 1.4 1.3 .5 .4 .8 .1 .0 .0 .0 .0 .0 .0 .0 .0		2 2 3 2 9 4 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0 .7 2.3 3.3 1.2 .0 .0 .0 .0	22-33 .0 .0 .3 .7 .1 .2 .3 * .10 .0 .0 .0	.0		2 2 9 5 5 4 4 1 5 3 5 * *	
<11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 23-40 41-48 49-60 61-70 71-86	000000000000000000000000000000000000000	2.5 2.7 3.0 .0 .0 .0 .0 .0 .0 .0	.0 1.3 2.8 3.6 1.6 .9 .4 .1 .0 .0 .0	22-33 .0 .0 .7 2.0 3.0 .5 .6 .4 .1 .1 .0 .0 .0 .0	.0	.00000000000000000000000000000000000000	.0 3.8 6.3 5.9 5.1 1.4 1.3 .5 .4 .8 .1 .0 .0	.00	2 2 3 2 9 4 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0 .7 2.3 3.3 1.2 .0 .0 .0 .0 .0	22-33 .0 .0 .3 .7 .1 .2 .3 .4 .1 .0 .0 .0 .0	.0	000000000000000000000000000000000000000	2.9 5.5 4.4 1.5 .3 .5 *	
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	000000000000000000000000000000000000000	2.5 2.7 3 .0 .0 .1 .0 .0 .0	.001.332.883.664.994.44.11.000.000.000.000.000.000.000.000.	27-33 .0 .0 .7 2.0 3.0 .5 .6 .4 .4 .1 .1	.0	.00000000000000000000000000000000000000	0 3.8 6.3 5.9 5.1 1.4 1.3 .5 .4 .8 .1 .0 .0 .0 .0 .0 .0 .0 .0		2 2 3 2 9 4 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0 .7 2.3 3.3 1.2 .0 .0 .0 .0	22-33 .0 .0 .3 .7 .1 .2 .3 * .10 .0 .0 .0	.0		2 2 9 5 5 4 4 1 5 3 5 * *	

WIND	CDEED	/ VTC 1	VC	SEA	HETGHT	(FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.5	1.4	.0	.0	.0	.0	3.9	003
1-2	1.3	14.0	5.2	.0	.0	.0	20.5	
3-4	.0	11.2	13.2	2.0	.0	.0	26.5	
5-6	.0	2.0	15.4	4.1	.0	.0	21.5	
7	.0	. 4	7.6	5.2	.8	.4	14.4	
8-9	.0	. 1	1.8	3.4	. 4	.0	5.7	
10-11	.0	. 1	1.0	2.0	.5	.0	3.7	
12	.0	.0	. 4	.5	.3	.0	1.1	
13-16	.0	.0	.1	. 9	.0	.0	1.0	
17-19	.0	. 1	.0	.3	.6	.0	1.0	
20-22	.0	.0	.0	.3	. 1	.0	. 4	
23-25	.0	.0	.0	.0	.1	.0	. 1	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								785
TOT PCT	3.8	29.4	44.8	18.7	2.8	. 4	100.0	

PERIOD: (DVER-ALL) 1949-1972

PERCENT	FREQUENCY	OF	WAVE	HEIGHT	(FT)	VS	WAVE	PERIOD	(SECONDS)

PERIOD	<1	1-2	3-4	5-6	7	8-9	10-11	1.2	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-40	61-70	71-86	87+	TOTAL	MEAN
(SEC)			,	,-0			10-11		13-10		-0						,		-		HGT
<6	.3	3.7	5.2	2.7	1.9	1.0	.3	. 1	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	175	4
6-7	.1	. 1	3.3	4.8	5.0	3.3	2.5	. 9	.6	. 1	. 1	.0	.0	.0	.0	.0	.0	.0	.0	238	7
8-9	.0	.0	. 4	3.2	5.5	5.2	3.8	2.7	2.5	.7	.5	. 2	.4	.0	.0	.0	.0	.0	.0	289	9
10-11	.0	.0	. 2	. 8	3.5	2.6	2.6	1.7	2.5	.9	.5	. 1	.0	.0	.0	.0	.0	.0	.0	175	10
12-13	.0	.0	.1	. 3	. 7	1.5	1.1	1.0	2.6	. 5	. 8	.5	.1	.0	.0	.0	.0	.0	.0	107	13
>13	.0	.0	.0	. 3	. 1	. 3	1.0	.6	1.1	. 2	. 3	.0	.3	.0	.0	.0	.0	.0	.0	49	13
INDET	. 4	. 7	. 5	1.3	1.7	1.4	1.7	. 3	. 5	. 8	.1	.0	. 2	.0	.0	.0	.0	.0	.0	115	8
TOTAL	10	51	112	155	211	177	148	83	115	36	26	9	12	0	0	0	0	0	0	1145	9
BET	- 0		0.0	12 1	10 /		100	7 3	10.0	2 1	2 2	. 9	1 0			0				100 0	

PERIOD:	(PRIMARY)	1913-1969
	(DVER-ALL)	

TABLE 1

AREA 0016 ESPERANCE BAY S 35.45 120.6E

		200		Decuppens.	1200		
PERCENT	FREQUENCY	Or.	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NB SIG WEA
N NE	5.2	2.2	2.5	.0	•0	.0	.0	9.9	2.1	1.7	.3	.0	.0	.0	86.3
E SE	5.2	2.3	3.5	.0	•0		.0	11.0	3.2	.9	.0	.0	1.2	.0	83.9
SW	3.4	11.8	2.3	•0	•0		.0	15.9	4.0 5.3	.6	.0	.0	.3	.0	79.2
NW	10.5	13.5	2.0	•0	•0	.0	.3	26.1	5.3	3.5	1.2	.0	.3	.0	66.9
CALM	6.7	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	93.3
TOT PCT	6.3	7.2	2.0	•0	•0	:0	.1	15.5	3.5	2.0	.4	.0	.3	.0	79.1

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WD PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00803 06809 12815 18821	5.6 5.2 7.9 6.3	7.7 7.7 7.3 5.3	1.8 1.2 1.1 4.2	.0	.0	.0	.0	15.1 14.1 16.4 15.3	3.2 4.0 3.0 4.0	1.1 .0 3.2 3.5	:5 :2 :4 :7	.0	.4	.0 .0 .0	80.7 81.3 77.4 77.7
TOT PCT	6.3	7.1	2.0	.0	•0	.0	.1	15.3	3.5	1.9	.5	.0	. 3	.0	79.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	DTSI								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPO	00	03	06	09	12	15	18	21
N NE	.9	3.1	7.6			.1		19.5	15.5	18.1	20.1	18.7	19.8	18.9	18.0		
E	.3	2.0	1.4	.3	.0	.0		4.0	11.4	4.8	1.9	5.0	2.4	4.2	3.0	4.5	4.5
S E	.2	3.5	2.9			.0		9.1	13.2	7.8	9.3	10.2	3.3	9.1	2.5	5.9	9.2
SW	. 3	3.5	7.2			.1		16.1	18.3	16.1	19.8	13.5	19.4	15.0	17.6	11.8	19.5
NW	. 4	4.2	6.9	4.2	1.0	. 1		16.8	17.3	20.8	15.9	16.9	15.0	14.0	16.0	18.5	15.2
CALM	. 9	.0	•0	• 0	.0	.0		.0	.0	.0	1.4	.0	.0	1.3	.0	1.2	.5
TOT DBS	115	739	958	396		14	2554	100.0	16.5	534	291	338	165	539	183	330	174
CALM	. 9				131		2554		.0	534	291	.6	165	1.3	183	330	. 5

TABLE 3A

WND DIR	0-6	7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18
N NE	2.5 1.6 1.1	8.4	6.8 3.5	1.7 :7 :1	.1		19.5 10.1 4.0	15.5 14.8 11.4	18.8	19.1	18.7	22.1
S E	1.3	2.1	2.5	1.2	.0		4.7	13.2	3.8 4.2 8.3	6.1	3.9 4.5 10.0	4.6
S W	1.7 2.2 1.7	5.7 5.2 6.9	5.4 6.9 5.8	2.9 3.9 2.3	.5		16.1 18.8 16.8	18.3 19.5 17.3	17.7	15.5	15.7	14.5
CALM	.0	•0	.0	.0	.0		.0	.0	19.1	16.3	.0	17.4
TOT PCT	385 15.1	972 38·1	830	13.3	28	2554	100.0	16.5	825	503	722	504

PERIOD:	(PRIMARY)	1913-1969
	I THE D ALL S	10.0 10.0

TABLE 4

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HUUR	CALM	1-3	4-10	WIND 11-21	SPEED (KNDTS) 34-47	48+	MEAN	PCT FREQ	TOTAL
00603	.7	4.8	28.2	37.0	23.8	4.7	.7	16.3	100.0	825
90300	.6	2.2	29.4	38.6	23.1	5.6	.6		100.0	503
12615	1.1	3.6	31.3	35.6	22.6	5.1	. 7		100.0	722
18621	1.0	3.4	26.2	40.1	24.0	5.4	.0		100.0	504
TOT	22	94	739	958	596	131	14	16.5		2554
PCT	. 9	3.7	28.9	37.5	23.3	5.1	. 5		100.0	

TABLE 5

	PCT FRE			CLOUD A		(EIGHTHS)			PERCEN	TAGE I	REQUEN	CY OF	CEILIN NH <5/	G HEIG	HTS (FT, NH :	>4/8)		
WND DIR	0-2	3-4	.5-7	8 & 08500	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000	3500 4999	5000					
N	5.2	2.7	7.1	5.3		4.9	0	.0	.3	1.6	3.3	1.7	. 8	.4	.3	.5	11.4		
NE	2.2	1.2	3.1	3.0		5.3	.0	.0		1.0	1.8	. 9	. 4	. 2	. 1	. 1	4.9		
E	1.0	1.1	2.0	1.5		5.3	.0	.0	*	. 7	1.1	. 4	. 2	.1	.0	.0	2.9		
SE	1.1	1.0	2.6			5.5	.1	.0	. 2	.6	1.5	1.0	.4	.1	.0	.0	2.9		
S	. 7	1.8	3.8			5.4	.0	.0	.1	.6	2.1	1.0	.4	.4		.0	3.2		
SW	1.9	3.0	6.3	1.4		4.9	.0	.0	. 2	1.3	2.7	. 8	• 7	.5	• 1	.0	6.5		
W	3.0	4.1	8.9	3.6		5.1	.0	.0	. 2	2.4	3.4	1.4	. 8	.5	• 1				
NW	4.3	2.3	7.4	2.9		4.9	.0	.0	. 3	1.0	2.8	1.1	. 9	.1	• • •	.0	10.8		
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0		.4			
CALM	. 2	.1	. 2	. 3		4.9	.0	.0	.0						.0	.0	.0		
TOT OBS	238	209	501	260	1208	5.1	.0	.0	16	112	228	103	56	27	.0	.0	645	1000	
TOT PCT	19.7	17.3	41.5	21.5	100.0	- • •		.0	1.3	9.3	18.9	8.5			0	12		1208	
				44.0	.00.0		. 1	.0	1.0	7.3	10.9	0.5	4.6	2.2	. 7	1.0	53.4	100.0	

TABLE 7

CUMUL	Δ	T	I	VE		CT	FRE	Q OF	SIMU	1	ANEQU	5	DCC	URRENO	: 6
n E	-	-			* ***			T CALL	- NA /1	9 1	CHALL	4	LOV		

					VSBY (NA	1)			
C	EILING	• DR	• DR	- DR	= DR	• DR	- DR	• OR	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR	>5500	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.6
OR	>5000	3.4	3.8	3.8	3.8	3.8	3.8	3.8	3.8
OR	>3500	7.3	8.2	8.3	8.3	8.3	8.3	8.3	8.3
DR	>2000	14.4	16.4	16.7	16.7	16.7	16.7	16.8	16.8
DR	>1000	27.9	34.2	35.1	35.5	35.5	35.5	35.6	35.6
UR	>600	33.2	42.6	44.2	44.7	44.8	44.8	44.9	44.9
DR	>300	33.7	43.8	45.5	46.0	46.1	46.1	46.2	46.2
	>150	33.7	43.8	45.5	46.0	46.1	46.1	46.2	46.2
OR	> 0	33.7	43.8	45.5	46.0	46.1	46.1	45.2	46.2
	TOTAL	413	536	557	563	564	564	565	565
TO.	TAL NUMB	ER OF OB	5: 122	4	F	CT FREQ	NH <5/81	53.8	

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 7.4 11.6 12.0 10.8 9.9 9.3 10.9 10.1 18.0 .1 1348

								JUNE					
(PRIMARY) 1 (DVER-ALL) 1	913-1969 869-1969						TA	BLE B				ARE	4 0016 ESPERANCE BAY S 35.45 120.6E
		PI	ERCENT	FREQ PREC	OF WIN	D DIRE	CTION TH VAR	VS DCC	URRENC ALUES	E OR N	IBILIT	URRENO	E OF
VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
<1/2	PCP NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11/2	TOT %	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
1/2<1	NO PCP	• 1	.0	.0	.0	.0	.0		.1	.0	.0	. 2	
	TOT %	• 1	.0	.0	.0	. 0	.0	•	.1	.0	.0	. 2	
	PCP	• 1	.0	.0	.0	.0	. 1	. 1	. 1	.0	.0	.4	
1<2	NO PCP			. 1	.0	.0		. 2	.0	.0	.0	. 3	
	TOT %	• 1		. 1	.0	.0	• 1	. 3	. 1	.0	.0	. 7	
	PCP	• 2		.1	• 1	.0	.1	.4	.3	.0	.1	1.2	
2<5	NO PCP	• 2	*	.0	.0	.0	. 1	. 2	.1	.0	.0	.6	
	TOT %	• 5	• 1	.1	• 1	.0	• 1	.6	.4	.0	.1	1.8	
	PCP	1.0	.7	.4	. 5	1.1	2.1	3.2	1.0	.0	.0	9.9	
5<10	NO PCP	4.8	1.8	.7	.7	1.8	3.5	4.1	4.1	.0	. 1	21.6	
	TOT %	5.8	2.5	1.1	1.1	2.8	5.6	7.3	5.1	.0	. 1	31.4	
	PCP	.7	• 1	.1	.2	.3	.6	1.3	.7	.0	.0	4.0	
10+	NO PCP	13.2	6.5	3.2	4.2	5.3	8.1	9.5	11.3	.0	.6	61.9	
	TOT %	13.9	6.6	3.3	4.4	5.5	8.6	10.8	12.0	.0	.6	65.9	
	TOT OBS												1924
	TOT PCT	20.3	9.2	4.5	5.6	8.4	14.5	19.0	17.7	.0	.8	100.0	

							TABLE	•					
				PERCEN	T FREQ	DF WI	ND DIR	ECTION	VS WI	ND SPE	ED		
					WITH V	ARYING	VALUE	S DF V	ISIBIL	ITY			
SBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
NM)	KTS		145	-	SE	3	3 11			VAR	CALM	PCI	DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0		.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0		.0	.0	.0		
	0-3	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
/2<1	4-10	*	.0	.0	.0	.0	.0	.0		.0		.1	
	11-21	.0	• 0	.0	.0	.0	.0		. 1	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	.0	.0	.0	.0		. 1	.0	.0	. 2	
	0-3		.0		.0					.0	.0	. 2	
1<2	4-10	.1	*	.0	.0	*	.1	. 3	. 2	.0		. 8	
	11-21		*	.0	.0	.0		.0		.0		.1	
	22+	.0	.0	.0	.0		.1	. 2		.0		.3	
	TOT %	. 2	• 1		.0	. 1	.3	.5	. 3	.0	.0	1.6	
	0-3		.0	.0	.0	.0	.0	.0	.0	.0		. 2	
2<5	4-10	. 1		.0	.0	.0	. 1			.0		:3	
	11-21	. 1			.0	.0	.0	. 2	. 2	.0		. 6	
	22+	.3	*	.0	*	.0	*	. 3	. 1	.0		. 8	
	TOT %	.5	• 1			.0	. 1	.6	. 4	.0		1.9	
	0-3	. 1			.1	. 1			.0	.0	.1	.5	
5<10	4-10	1.2	. 5	.4	. 3	. 7	1.2	. 7	. 8	.0		5.7	
	11-21	2.5	1.0	.5	. 3	1.0	1.5	2.9	2.3	.0		11.9	
	22+	1.8	. 9	. 1	. 5	1.0	2.7	3.4	1.8	.0		12.2	
	TOT %	5.6	2.5	1.1	1.1	2.8	5.4	7.0	4.8	.0	. 1	30.4	
	0-3	.7	.5	.2	.1	.1	.2	.4	.4	.0	.6	3.3	
10+	4-10	4.8	2.4	1.7	2.3	2.6	2.1	2.3	3.3	.0		21.5	
	11-21	5.4	2.7	1.1	1.0	2.1	4.0	3.9	4.7	.0		25.0	
	22+	3.0	1.2	.2	. 7	. 9	2.7	4.0	3.4	.0		16.2	
	TOT \$	13.9	6.8	3.2	4.2	5.8	9.0	10.6	11.8	.0	.6	66.0	
T	OT DAS												204
Ť	OT PCT	20.2	9.5	4.4	5.4	8.7	14.8	18.8	17.5	.0	. 8	100.0	

PERIOD: (PRIMARY) 1913-1969 (OVER-ALL) 1869-1969

TABLE 10

AREA DO16 ESPERANCE BAY S 35.45 120.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150	300 599	999	1000	3499	3500 4999	5000 6499	5500 7999	8000+	TOTAL	NH <5/8 ANY HGT	DBS
00603	.0	.0	1.5	9.6	24.4	8.0	3.7	2.5	.3	.3	50.3	49.7	324
90300	.3	.0	.3	9.1	19.1	7.6	4.5	2.7	.9	.9	45.5	54.5	330
12815	.0	.0	1.3	8.0	14.7	7.4	4.8	1.9	.3	1.0	39.4	60.6	312
18821	.0	.0	2.0	9.4	14.1	10.1	4.7	1.3	1.0	1.7	44.3	55.7	298
PCT	.1	.0	16	114	230	104	56	2.1	8	12	568	55.1	1264

				TABLE 1	.1						TABLE	12			
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR		
HDUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL	
00603	.0	.3	• 0	1.5	30.9	67.3	606	00803	.0	1.9	13.3	38.3	48.4	316	
90300	. 2	.0	.5	.9	28,6	69.8	444	06609	.0	.6	10.6	35.4	54.0	322	
12615	.0	.2	4.6	2.7	32.9	59.7	590	12815	.0	1.3	10.9	29.3	59.9	304	
18621	.0	.4	.7	2.0	28.3	68.6	446	18621	.0	2.1	13.5	33.3	53.2	282	
PCT	1	.2	32	38	634	1376	2086	101 PCT	.0	18 1.5	147	418 34.2	659 53.8	1224	

				T	ABLE 1	3									TABL	E 14				
	PERCE	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY BY	Y TEMP				PERC	ENT FR	EQUENC	Y DF W	VIND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
70/74	.0	.1	.0	.0	.1	.0	.0	.0	3	.2	.2	.0	.0	.0	.0	.0	.0		.0	.0
65/69	.0	.2	.0	. 5	1.4	2.1	1.7	. 4	100	6.3	2.4	1.0	.1	.0		. 1	. 5	2.2	.0	.0
60/64	.0	.0	.1	1.2	5.3	13.8	13.4	5.6	625	39.4	12.7	4.4	1.0	. 4	.6	2.3	7.6	10.1	.0	. 3
55/59	.0	.0	. 2	1.8	8.1	14.0	14.1	7.2	722	45.5	4.8	4.2	3.2	4.1	5.9	9.0	9.2	4.6	.0	.4
50/54	.0	.0	.0	.6	1.8	2.8	2.0	1.3	133	8.4	.1	. 2	. 9	. 9	1.7	2.5	1.7	. 2	.0	. 1
45/49	.0	.0	.0	.0	.0	. 1	.1	. 1	4	.3	.0	.0	.0	.1	.1		. 1	.0	.0	.0
TOTAL	0	5	5	65	264	520	496	232	1587	100.0										
PCT	.0	.3	.3	4.1	16.6		31.3	14.6			20.1	9.8	5.2	5.5	8.4	13.9	19.1	17.1	.0	. 8

				TAR	LE 15									TABLE	16			
	MEANS,	EXTREM	ES AND	PERCEN	ITILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	1
HOUR (GMT)	MAX	99\$	95%	50%	5%	1%	MIN	MEAN	TOTAL	HDUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	68	66	54	59	53	51 52	47	59.0	817 498	00603	.0	4.6	13.3	32.4	33.3	16.5	79	460
12815		67	64	59	53 52	51 51	49	58.8	721	12615	.0	3.4	16.4	32.6	33.3	14.4	79	361
101	70	67	65	59	53	51	47	59.0	2543	707	0	78	270	529	503	236	78	1616

JUNE

PERIOD: (PRIMARY) 1913-1969 (DVER-ALL) 1869-1969

TABLE 17

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FGG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

*3	wire-	SCM	E Mr C	MIONE							
AIR-SEA	45	49	53	57	61	65	69	TOT		WD	
TMP DIF	48	52	56	60	64	68	72		FOG	FDG	
11/13	.0	.0	.0	• 1	.0	.0	.0	1	.0	:1	
9/10	.0	.0	.0	.1	.0	.0	.0	1	.0	.1	
7/8	.0	.0	. 1	.0	.0	.0	. 1	4	.0	. 3	
6	.0	.0	.0	. 2	.0	. 1	.0	4	.0	.3	
5 4	.0	.0	.0	. 1	. 3	.3	.1	13	.0	. 8	
4	.0	.0	.0	. 1	1.0	. 7	.0	29	.0	1.8	
3	.0	.0	.0	.6	2.4	1.1	.1	66	. 1	.8 1.8 4.1	
2	.0	.0	.1	1.8	4.1	. 9	.1	112	.1	7.0	
1	.0	.0	. 1	3.6	4.8	1.1	.0	154	. 1	9.5	
3 2 1 0	.0	.0	. 4	5.0	4.1	.4	.0	157	.1	9.7	
-1	.0	.0	.5	7.8	4.2	.4	.0	206	.0	12.9	
-2 -3	.0	.0	1.7	5.6	2.4	.3	.1	159	. 1	9.9	
-3	.0	. 3	2.6	6.3	1.9	. 3	.0	182	. 1	11.3	
-4	.0	. 3	3.0	3.5	1.3	.1	.0	130	.0	11.3	
-5	.0	.3	2.5	2.8	1.9	.1	.0	105	.0	6.6	
-6	.0	. 4	3.5	1.5	. 8	.0	.0	99	.0	6.2	
-7/-8	.0	. 6	3.2	2.5	. 3	.0	.0	105	.0	6.6	
-9/-10	. 1	. 3	1.4	. 9	:0	.0	.0	48	.0	3.0	
-11/-13	.0	. 5	. 5	. 1	.0	.0	.0	18	.0	1.1	
TOTAL	1		311		462		6		9	1584	
		43		677		93		1593			
PCT	. 1	2.7	19.5	42.5	29.0	5.8	.4	100.0	. 6	99.4	

PERIOD: (DVER-ALL) 1963-1969

TABLE 18
PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

NE 22-33 .00 .01 .55 .22 .55 .00 .00 .00 .00 .00 .00 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 61-70 71-86 87+ 1-3 4-10 48+ 1-3 HGT <1 2 3-4 5-6 7 9 10-11 12 13-16 92 23-25 23-40 41-48 61-70 71-87+ TOT PC 48+ 1-3 11-21 22-33 1-3 34-47

PERIND:	1045		1042						JUN	E							
PEKTIND:	CUVE	K-ALL)	1963-1	969				TARLE	18 (0	DNT)				AREA		45 120	CE BAY S
								0.000								1.0	
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND D	IRECT	ION /	ERSUS S	EA HEIG	HTS (FT)			
				5									SW				
HGT	1-3	4-10	11-21	22-33	34-47	49+	PCT				4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	• 0	• 0	.0			.0	.3	.0	.0	.0	.0	. 3	
1-2	.0	1.0	. 1	.0	• 0	• 0	1.1			*	1.1	.3	.0	.0	.0	1.4	
3-4	.0	1.2	. 8	.0	.0	• 0	2.0			.0	. 6	1.6	• 1	.0	.0	2.6	
7	.0	.3	1.1	.6	.0	.0	1.9			.0	.2	1.2	1.3	.0	.0	2.4	
8-9	.0	.0	.0	.1	.0	.0	.8			.0	.0	.3	.8		.0	1.2	
10-11	.0	.0	.0	:4	.0	.0	.1			.0	.0	.1	.6		.0	.7	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.4			.4	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.1	. 3	.0	.4	
17-19	.0	.0	.0	.0	.1	.0	.1			.0	.0	.0	.0		.0		
20-22	.0	.0	.0	.0	.1	.0	.1			.0	.0	.0	.0	.3	.0	.3	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	• 0	.0			. 0	.0	.0	.0	.0	. 1	. 1	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	. C			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	• 0	.0			.0	3.1	.0	.0	.0	.0	.0	
TOT PCT	.0	2.5	2.6	1.2	.3	•0	6.6			•	3.1	4.7	3.8	1.0	. 3	12.8	
				u									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1	-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.1	.0	.0	•0	.0	. 1			.0	. 4	.0	.0	.0	.0	.4	
1-2	.1	1.4	.0	.0	.0	.0	1.5			.0	1.8	.7	.0	.0	.0	2.5	
3-4	.0	1.0	2.1	. 3	.0	.0	3.4			.0	2.1	2.4	1.2	.0	.0	5.7	
5-6	.0	.1	3.4	. 8	.0	.0	4.3			.0	. 1	3.2	.3	.0	.0	3.7	
7	.0	.0	1.5	2.6	.6	• 0	4.8			.0		1.6	1.4	. 4	.0	3.3	
8-9	.0	.0	.4	1.4	. 5	.0	2.3			.0	. 1	. 2	.7	.5	.0	1.5	
10-11	.0	.0	.3	1.5	. 5	.0	2.3			.0	.0	.0	. 3	. 5	.0	.7	
12	.0	.0	.0	.9	. 4	• 1	1.4			.0	.0	.0	.4		.0	. 4	
13-16	.0	.0	.0	.4	. 3	• 0	. 7			.0	.0	.0	.4	. 3	.0	.7	
17-19	.0	.0	.0	. 1	.3	• 0	. 4			.0	.1	.0	.0	. 1	.0	.3	
20-22	.0	.0	.0	.1	• 1	• 0	. 3			.0	.0	.0	.0	.0	- 1	. 1	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32 33-40	.0	.0	.0	.0	.0	• 2	. 2			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	•0	•0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	•0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	•0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	•0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	2.6	7.7	8.1	2.8	.3	21.7			.0	4.8	8.0	4.6	1.8	.1	19.4	99.0

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.6	2.8	.3	.0	.0	.0	4.7	003
1-2	. 4	11.4	3.1	.0	.0	.0	14.9	
3-4	.0	8.7	12.7	2.4	.0	.0	23.7	
5-6	.0	2.4	14.7	4.7	.0	.0	21.8	
7	.0	.4	6.2	6.6	1.3	. 1	14.7	
8-9	.0	. 1	1.8	4.0	1.0	.0	6.9	
10-11	.0	.0	.7	3.5	1.3	.0	5.6	
12	.0	.0	.0	2.1	.9	. 1	3.1	
13-16	.0	.0	.0	1.2	1.0	.0	2.2	
17-19	.0	. 1	.0	. 1	.7	.0	1.0	
20-22	• 0	.0	.0	. 1	.6	. 1	. 9	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	. 3	. 3	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								678
TOT PCT	2.1	25.0	39.5	24.8	6.9	. 7	100.0	

PERIOD: (DVER-ALL) 1949-1969

					PERCEN	TFRE	UENCY	OF WA	VE HEI	GHT (F	r) vs i	NAVE P	ERIDO	(SECON	051						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.0	3.3	4.9	2.0	1.9	.5	.5	. 2	. 3	. 1	.0	.0	.0	.0	.0	.0	.0	.0	. 0	147	4
6-7	.0	. 3	2.7	5.0	4.2	3.5	2.3	1.1	. 9	. 4	.1	.0	. 2	.0	.0	.0	.0	.0	.0	207	7
8-9	.0	.0	.6	3.7	4.4	4.6	3.0	2.6	2.8	. 8	. 9	. 1	. 2	.0	.0	.0	.0	.0	.0	237	9
10-11	.0	.0	. 3	1.7	2.7	2.8	2.2	2.7	1.9	1.2	. 8	. 2	. 3	.0	.0	.0	.0	.0	.0	168	11
12-13	.0	.0	. 2	.6	. 8	1.2	1.6	1.3	1.0		.5	. 5	. 2	.0	.0	.0	.0	.0	.0	83	12
>13	.0	.0	.0	.0	. 3	. 4	. 4	. 4	1.2	.4	. 4	.4	. 8	.1	.0	.0	.0	.0	.0	48	18
INDET	.5	1.3	1.3	1.2	1.6	1.2	2.2	. 3	. 7	.1	.1	.0	. 2	.0	.0	.0	.0	.0	.0	107	7
TOTAL	15	49	100	142	159	142	122	86	88	34	28	12	19	1	0	0	0	0	0	997	9
PCT	1.5	4.9	10.0	14.2	15.9	14.2	12.2	8.6		3.4	2.8	1.2	1.9	• 1	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD:	(PRIMARY).	1913-1970
	(OVER-ALL)	1858-1970

TABLE 1

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENT FE	REQUENCY	DF	WEATHER	DCCURRENCE	BY	WIND	DIRECTI	ON
------------	----------	----	---------	------------	----	------	---------	----

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	5.0	2.4	1.1	•0	•0	,0	.0	7.7	2.8	.6	1:5	.0	.0	.0	88.5
E SE	1.6	10.7	1.6	.0	.0	.0	.0	14.0	4.9	.0	1.6	.0	.0	.0	79.4
S	2.9	10.1	1.6	.0	.0	.0	.0	14.6	3.1	.0	.6	.0	.6	.0	81.1
W	6.9	13.7	2.1	.0	.0	.0	.4	23.1	7.7	3.5	1.0	.0	.2	.2	66.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	5.7	9.9	1.3	.0	•0	.0	. 2	17.0	4.6	1.3	.9	.0	. 2	.1	76.4

TARLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00803 06809 12815	5.2 5.1 7.4	10.9	1.3	.0	.0	.0	.0	17.4 15.5 18.1	3.2 6.1 3.4	.0	.7 .5	.0	.0	.0	78.3 77.7 75.9
18621	4.8	9.7	1.9	.0	.0	.0	. 2	16.4	6.3	3.4	1.0	.0	.0	.0	73.4
TOT PCT	5.7	9.8	1.3	.0	•0	.0	.2	17.0	4.5	1.4	. 9	.0	. 2	.1	76.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

					L	. HE GOL				and the same							
		WI	NO SPE	ED CKN	DTS1					Y			HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT	MEAN	00	03	06	09	12	15	18	21
N	. 6	3.8	5.1	3.3	. 8			13.7	16.6	12.5	11.5	12.2	10.4	13.7	16.8	16.3	18.4
NE	.1	2.2	2.7	1.5		. 1		6.8	16.0	6.5	5.2				9.8		
E	. 2	1.7	1.2	. 2		.0		3.2	11.1	2.1	3.3	4.5	3.1	3.5	4.8	2.5	2.8
SE	. 1	1.3	.7	.1	. 1			2.3	11.6	2.2	3.1	2.0	2.6	2.4	1.5	3.3	. 8
S	. 3	3.3	2.9	1.3	.5	. 1		8.5	15.3	8.8	10.6	6.3	11.5	8.3	9.4	6.9	7.1
5 W	. 3	4.2	8.1	4.8	1.8	. 3		19.5	19.5	20.4		18.4	18.5	20.5	18.9	16.4	21.9
w	.4	5.4	9.6	7.6	3.6	.5		27.1	20.9	27.2			27.3		24.5	30.1	
NW	. 4	4.6	5.9	4.7	1.8	. 3		17.7	18.8	19.4	18.9	18.4	17.3	17.7	14.0	18.2	14.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0
CALM	1.1							1.1	.0	1.0	2.2		2.6	. 9	.5	. 6	2.0
TOT DBS	89	664	906	589		33	2503		18.1	497	269	305	192	535	200	309	195
TOT PCT	3.4	26.5	36.2	23.5	8.9	1.3		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

		WIND	SPEED	(KNOTS)						HOU	REGMT)	
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18	
						085	FREQ	SPD	03	09	15	21	
N	2.1	5.4	4.3	1.6	.3		13.7	16.6	12.1	11.5	14.6	17.1	
NE	. 8	3.2	1.9	.7	. 1		6.8	16.0	6.0	6.3	8.1	6.3	
	. 8	1.8	.5	.1	.0		3.2	11.1	2.5	4.0	3.9	2.6	
SE	.4	1.5	.2	. 1			2.3	11.6	2.5	2.2	2.2	2.3	
5	1.6	3.5	2.4	.5	. 3		6.5	15.3	9.4	8.3	6.6	7.0	
S W	1.7	6.7	7.0	3.2	1.0		19.5	19.5	20.3	18.5	20.1	18.6	
*	2.4	7.9	9.1	6.1	1.6		27.1	20.9	26.4	30.1	25.0	28.1	
NW	2.6	5.8	5.4	3.0	. 9		17.7	18.8	19.2	18.0	16.7	16.8	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	1.1						1.1	.0	1.4	1.0	. 8	1.2	
TOT DAS	340	899	772	385	107	2503		18.1	766	497	735	505	
TOT PCT	13.6	35.9	30.8	15.4	4.3		100.0			100.0			

PERIOD: (PRIMARY) 1913-1970 (QVER-ALL) 1858-1970

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10		SPEED (KNOTS) 34-47	48+	MEAN	PCT	TOTAL
02603	1.4	2.9	25.7	36.0	23.1	9.9	. 9	18.1	100.0	766
90300	1.0	2.2	25.6	33.6	25.8	9.3	1.6		100.0	497
12615	. 8	3.0	30.3	34.1	21.8	8.2	1.8	17.5	100.0	735
18821	1.2	1.2	23.2	42.0	23.6	7.9	1.0	18.2	100.0	505
TOT	28	61	664	906	589	222	33	18.1		2503
PCT	1.1	2 4	26 4	36.2	23.5	8.9	1.3		100.0	

				OLE 3														
,	CT FRE	Q OF T	DTAL C	LOUD A	MOUNT	EIGHTHS)		- 1	ERCEN	TAGE F	REQUEN	CY DF	CEILIN	G HEIG	HTS (F	T,NH 3	4/8)	
		R	V WIND	DIRFC	TION					AND DC	CURREN	CE DF	NH <5/	8 BY W	IND DI	RECTIO	N.	
WNO DIR	0-2	3-4	5-7	8 & 08500	TOTAL	MEAN CLOUD COVER	000 149	150	300 599	600	1000	2000 3499	3500 4999	5000	6500 7999	8000+	NH <5/8 ANY HGT	
N	3.2	1.6	4.9	3.2		4.9	.0	.0	.0	.4	1.9	1.3	1.3	.3	.0	.5	7.1	
NE	1.9	.6	2.4	1.0		4.4	.0	.0	. 1	. 2	. 4	1.0	. 4	. 2	. 1	. 1	3.5	
E	. 9	. 8	1.3	. 4		4.5	.0	.1	.0	. 3	. 5	. 3	. 2	. 1	.0	.0	2.0	
SE	.3	.5	. 8	. 5		5.1	.0	.0	.0	. 1	. 1	. 4	. 4	.0	.0	. 0	1.2	
5	1.1	1.6	3.4	1.3		5.0	.0	.0	. 1	. 7	1.6	. 9	. 2		.0	. 1	3.7	
SW	2.8	6.0	7.9	2.1		4.7	.0	.0	. 4	2.0	3.4	1.4	1.1		.0	.0	10.6	
W	6.4	6.9	11.1	5.8		4.8	.0	.0	. 5	3.4	5.5	1.5	1.5	. 4	.1	. 1	17.3	
NW	5.0	2.8	6.9	4.1		4.8	.0	.0	. 2	1.6	2.6	1.2	1.1	. 9	.0	. 4	10.9	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.0	. 1	.0		4.0	.0	.0	.0	.0	.0	.0	.0	• 1	.0	.0	. 1	
TUT DBS	239	230	427	202	1098	4.8	0	1	14	95	175	87	69	23	2	13	619	1098
TUT PCT	21.8	20.9	38.9	18.4	100.0		.0	• 1	1.3	8.7	15.9	7.9	6.3	2.1	. 2	1.2	56.4	100.0

TABLE 7

CUMULATIVE											. 6
OF CEILIN	G H	EIGHT	(NH	>4/8	()	AND	٧	S	BY	(NM)	

				VSBY (NM	1)			
CEILING	- OR	• DR	= DR	= OR	= OR	· OR	· OR	■ OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR >6500	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
DR >5000	2.9	3.3	3.5	3.5		3.5	3.5	3.5
OR >3500	7.7	9.5	9.7	9.7	9.7	9.7	9.7	9.8
DR >2000	14.4	17.4	17.7	17.7	17.7	17.7	17.7	17.8
DR >1000		32.9	33.4	33.5	33.5	33.5	33.5	33.6
OR >600			41.8	42.2	42.2	42.2	42.2	42.3
DR >300			43.0	43.4	43.5	43.5	43.5	43.6
OR >150			43.1	43.5	43.6	43.6	43.6	43.7
					43.6	43.6	43.6	43.7
TOTAL	354	470	478	483	484	484	484	485
	(FEET) OR >6500 OR >5000 OR >3500 OR >2000 OR >1000 OR >600 OR >300 OR >150 OR > 0	OR >6500 1.3 OR >6500 2.9 OR >5000 2.9 OR >5000 7.7 OR >2000 14.4 OR >1000 26.6 OR >600 31.1 OR >00 31.8 OR >500 31.9 OR > 0 31.9	(FEET) >10 >5 OR >6500 1.3 1.4 OR >5000 2.9 3.3 OR >3500 7.7 9.5 OR >3000 14.4 17.4 OR >1000 26.6 32.9 OR >600 31.1 41.2 OR >100 31.8 42.3 OR >150 31.9 42.3 OR >0 0 > 31.9 42.3	TREET) >10 >5 >2 OR >6500 1.3 1.4 1.4 OR >6000 2.9 3.3 3.5 OR >7.7 9.5 9.7 OR >2000 14.4 17.4 17.7 OR >100 31.1 41.2 41.8 OR >500 31.1 41.2 41.8 OR >100 31.8 42.3 43.0 OR >150 31.9 42.3 43.1 OR >0 0R > 31.9 42.3 43.1 OR >0 0R > 31.9 42.3 43.1	CEFLING • OR • OR • OR • OR • OR CFEET) 210 >5 >2 >1 OR >5500 1.3 1.4 1.4 1.4 OR >5000 2.9 3.3 3.5 3.5 OR >3500 7.7 9.5 9.7 9.7 OR >100 26.6 32.9 33.4 33.5 OR >500 31.1 41.2 41.8 42.2 OR >300 31.6 42.3 43.0 43.4 OR >150 31.9 42.3 43.1 43.5 OR > 0R > 0 31.9 42.3 43.1 43.5 OR > 0 > 0 31.9 42.3 43.1 43.5	CEILING • OR • OR = OR = OR = OR = OR	CEILING • OR • O	CEILING = OR = O

TOTAL NUMBER OF OBS: 1110 PCT FRED NH 45/81 56.3

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 7.9 9.4 12.3 14.1 12.9 10.4 10.7 9.3 12.9 .0 1239

JULY

PERIOD: (PRIMARY) 1913-1970 (OVER-ALL) 1858-1970

TABLE 8

AREA 0016 ESPERANCE BAY S 35.45 120.6E

		P	ERCENT	PREC	JF WIN	D DIRE	CTION TH VAR	VS OCC	ALUES I	F VIS	IBILI	CURRENC TY	€ OF
VSBY		N	NE	E	SE	5	Sw	w	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	. 1	. 1	.0	.0	.0	.0	.1	
(1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	• 0	.0	.0	.0	. 1	• 1	.0	.0	.0	.0	. 1	
	PCP	.0	.0	.0	.0	.0	. 1		.0	.0	.0	.1	
1/2<1	NO PCP	.0	. 1	. 1	.0	. 1	.0	. 1	.0	.0	.0	. 3	
	TOT %	• 0	• 1	. 1	.0	.1	• 1	. 1	.0	.0	.0	.4	
	PCP		.0	.0	.0	.0	• 1	.2	.1	.0	.0	.4	
1<2	NO PCP	.0	.0	.0	.0	. 1	.0	. 1	. 1	.0	.0	. 2	
	TOT *		• 0	.0	.0	. 1	• 1	. 2	. 1	.0	.0	.5	
	PCP			.0	. 1	.0	• 1	.4	. 1	.0	.0	.7	
2<5	NO PCP	• 1		.0	.0	.0	• 1	. 1	.0	.0	.0	.3	
	TOT %	• 1	•	.0	. 1	.0	• 2	.5	. 1	.0	.0	1.0	
	PCP		. 4	. 3	. 1	.7	3.0	4.0	1.8	.0	.0	10.9	
5<10	NO PCP	3.4	1.0	. 5	. 6	2.2	4.8	6.4	3.6	.0	. 1	23.5	
	TOT %	4.0	2.2	.9	.7	3.0	7.7	10.4	5.4	.0	.1	34.4	
	PCP	.3	. 3	. 1	.0	. 5	1.1	1.9	.5	.0	.0	4.7	
10+	NO PCP	8.4	3.6	2.2	1.6	5.0	10.3	15.2	12.0	.0	.6	58.9	
	TOT %	9.8	3.9	2.3	1.6	5.4	11.5	17.1	12.6	.0	.6	63.6	
	YOT OBS												1884
	TOT PCT	12.9	6.2	3.2	2.3	8.6	19.6	28.3	18.2	.0	.6	100.0	

VSBY	SPD	N	NE	Ε	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS												DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	*	.0	.0	.0			
	22+	.0	.0	.0	.0		.0	.0	.0	.0			
	TOT %	.0	.0	.0	.0	*	•	.0	.0	• 0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
/2<1	4-10	.0			.0		.0	.0	.0	.0		.1	
	11-21	.0		.0	.0	.0	:	:	.0	.0		.1	
	22+	.0	.0	.0	.0	.0			.0	.0	•	.1	
	TOT %	.0	• 1		.0		.1	.1	.0	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0		.0		.1	
1<2	4-10		.0	.0	.0		.0	•	. 1	.0		. 2	
	11-21	.0	.0	.0	.0	.0	. 1		- 1	.0		. 2	
	22+	*	• 0	.0	.0	.0	.0	.2	. 1	.0		.3	
	TOT \$.1	.0	.0	.0		.1	. 2	.4	.0	*	.9	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.0			.0	.0			
	11-21	.1		.0		.0	.1	.1		.0		.4	
	22+	. 1		.0	.0	.0	.1	. 5	- 1	.0	•	. 8	
	TOT %	.1	•	.0	•	.0	.3	.0	. 2	.0	.0	1.3	
	0-3	. 1		. 1	.0	. 2	.2	. 1	. 1	.0		. 9	
5<10	4-10	.5	. 4	. 3	. 3	1.0	.7	.9	.7	.0		4.8	
	11-21	1.5	1.1	.4	. 3	. 9	2.9	2.9	1.6	.0		11.7	
	22+	1.6	.5		.0	. 7	3.4	5.7	2.8	.0		14.7	
	TOT %	3.8	2.0	. 8	.7	2.7	7.2	9.7	5.2	.0		32.1	
	0-3	.5	. 1	.1		.1	.1	.3	.4	.0	. 8		
10+	4-10	3.3	1.8	1.5	1.1	2.2	3.2	4.1	3.9	.0		21.0	
	11-21	3.3	1.5	.6	. 5	2.0	5.2	7.3	4.6	.0		24.9	
	22+	2.2	. 8	. 2	.1	1.0	3.3	5.5	3.8	.0		17.0	
	TOT \$	9.3	4.2	2.4	1.5	5.3	11.8	17.3	12.7	.0	. 8	65.3	
T	OT DAS												2067
	OT PCT	13.3	6.3	3.2	2.2	8.2	19.5	27.9	18.4	.0	0	100.0	

TABLE 10

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH 2010	TOTAL
(GMT)	149	299	599	999	1999	3499	4999	6499	7999	0000+	TOTAL	ANY HGT	DBS
00603	.0	. 3	1.0	9.0	18.0	7.6	7.3	1.4	.0	1.4	46.0	54.0	289
06809	.0	.0	2.3	9.4	16.3	9.1	5.2	2.0	.0	.3	44.6	55.4	307
12615	.0	.0	.3	7.0	12.8	7.4	5.7	2.0	. 3	2.0	37.6	62.4	298
18821	.0	.0	1.4	7.1	11.9	5.8	5.4	2.4	.3	1.0	35.4	64.6	294
PCT	0	.1	15	97	175	7.5	70 5.9	23	.2	14	486	702 59.1	1188
	(GMT) 00603 06609 12615 18621	(GMT) 149 00603 .0 06609 .0 12615 .0 18621 .0	(GMT) 149 299 00803 .0 .3 06809 .0 .0 12815 .0 .0 18821 .0 .0 TOT 0 1	(GMT) 149 299 599 00603 .0 .3 1.0 00609 .0 .0 2.3 12615 .0 .0 .3 18621 .0 .0 1.4 TOT 0 1 15	(GMT) 149 299 599 999 00803 .0 .3 1.0 9.0 06809 .0 .0 2.3 9.4 12815 .0 .0 .3 7.0 18821 .0 .0 1.4 7.1	(GMT) 149 299 599 999 1999 00603 .0 .3 1.0 9.0 18.0 00609 .0 .0 2.3 9.4 16.3 12615 .0 .0 .3 7.0 12.8 18621 .0 .0 1.4 7.1 11.9 TOT 0 1 15 97 175	(GMT) 149 299 599 999 1999 9499 00803 .0 .3 1.0 9.0 18.0 7.6 00809 .0 .0 2.3 9.4 16.3 9.1 12815 .0 .0 .3 7.0 12.8 7.4 18821 .0 .0 1.4 7.1 11.9 5.8	(GMT) 149 299 599 999 1999 9499 4999 00803 .0 .3 1.0 9.0 18.0 7.6 7.3 00809 .0 .0 2.3 9.4 16.3 9.1 5.2 12815 .0 .0 .3 7.0 12.8 7.4 5.7 18821 .0 .0 1.4 7.1 11.9 5.8 5.4	(GMT) 149 299 599 999 1999 3499 4999 6499 00803 .0 .3 1.0 9.0 18.0 7.6 7.3 1.4 00809 .0 .0 2.3 9.4 16.3 9.1 5.2 2.0 12815 .0 .0 .3 7.0 12.8 7.4 5.7 2.0 18821 .0 .0 1.4 7.1 11.9 5.8 5.4 2.4	(GMT) 149 299 599 999 1999 3499 4999 6499 7999 00803 .0 .3 1.0 9.0 18.0 7.6 7.3 1.4 .0 06809 .0 .0 2.3 9.4 16.3 9.1 5.2 2.0 .0 12815 .0 .0 .3 7.0 12.8 7.4 5.7 2.0 .3 18821 .0 .0 1.4 7.1 11.9 5.8 5.4 2.4 .3	(GMT) 149 299 599 999 1999 5499 4999 6499 7999 0000000000000000000000000000000	(GMT) 149 299 599 999 1999 8499 4999 6499 7999 00000 1011L 00003 .0 .3 1.0 9.0 18.0 7.6 7.3 1.4 .0 1.4 46.0 06609 .0 .0 2.3 9.4 16.3 9.1 5.2 2.0 .0 .3 44.6 12615 .0 .0 .3 7.0 12.8 7.4 5.7 2.0 .3 2.0 37.6 18621 .0 .0 1.4 7.1 11.9 5.8 5.4 2.4 .3 1.0 35.4	(GMT) 149 299 599 999 1999 5499 4099 6499 7999 0000 1011 1011 1011 1011 1011 10

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR	ı	CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.0	• 2	.7	1.0	34.5	63.6	594	00603	.0	1.5	11.6	38.2	50.2	267
06609	.0	. 5	.7	1.1	26.9	70.9	443	06609	.0	2.4	13.3	33.7	53.1	294
12815	.2	.8	1.5	1.3	37.3	59.0	614	12615	.4	.7	10.1	32.5	57.5	268
18621	. 2	•0	.4	1.8	28.0	69.6	447	18821	.4	1.8	10.0	27.4	62.6	281
TOT PCT	2	8	18	27	678	1365	2098	TOT	2	18	125	365	620	1110

ADIE 12

T.D. . .

					MOLE I	-									TABI	E 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF	IND D	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	585	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
75/79	.0	.0	.0		.0	.1	.0	.0	1	.1	.1	.0	.0	.0	.0	.0	.0	^	.0	
70/74	.0	.0	.0	.0		.1	.0	. C	3	. 2	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0
65/69	.0	.1	.1	.1	.4	. 4	. 3	.1	21	1.5	. 2	.4	.0	.0	.0	.1	.5	.1		.0
60/64	.0	.0	.1	1.2	5.0				342		6.0	1.7		.0					.0	• 1
55/59	.0	.0	.1	200		21.5		5.5	799		6.0	2.8	2.1	1.1	3.5	1.1	6.1	8.3	.0	. 3
50/54	.0			1.8	3.8	3.7	5.9	1.8	240							12.6	18.2	10.0	.0	. 4
45/49	.0	.0					.0	.2	240	17.4	.0	.4	• 7	. 9	3.6	6.0	4.2	.7	.0	.1
TOTAL	0	1	7	71	271	476		136	1411	100.0	.0	•0	• 0	• 1	.1	•	-1	.0	.0	.0
PCT	.0	.1	.5	5.0	19.2	33.7	31.8	9.6			12.8	5.3	3.2	2.2	7 4	19.8	20 2	10 2	0	

TARLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

						0.77			
HE'UR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00803 06809 12815	69 71 75	64 67 65	52 53	57 58 57	52 53 52	50 50	47	57.1 58.2 56.9	756 493 736
18621 TOT	70 75	64	62	57 57	52 52	50	47	56.8	507 2492

							E 10 11 11 11 11 11	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	3.3 6.7 7.6	15.3 26.3 15.8	34.5	35.0	11.8 7.4	79 75 77	391 312
18621	.0	5.0	21.4	34.4	34.5	9.4	77	323

JULY

PERIOD: (PRIMARY) 1913-1970 (OVER-ALL) 1858-1970

TABLE 17

AREA 0016 ESPERANCE RAY S 35.45 120.6E

							- OCCUPATION	 		005010151515
PCT	FREU DI	AIK	TEMPERATURE	(DEG	F)	AND IF	E UCCORRENCE	FUG	CMITHUUT	PRECIPITATION

			· K- Je								
AIR-SEA	45	49	53	57	61	65	69	73	TOT	W	WO
TMP DIF	48	52	56	60	64	68	72	76		FOG	FDG
9/10	.0	.0	.0	.1	.1	.0	.0	.0	2 3	.0	.1
7/8	.0	.0	.0	. 1	. 1	.0	. 1	.0	3	.0	.1
6	.0	.0	.0	.0	. 1	. 1	.0	.0	3	.0	. 2
5	.0	.0	.0	.1	1.3	.1	.0	.0	10	.0	.6
4	.0	.0	.0	.3	. 7	.0	. 1	. 1	18	.0	1.2
3 2 1	.0	.0	. 2	1.1	1.3	.0	. 1	.0	42	.0	2.7
2	.0	.0	. 3	2.8	1.9	.3	.0	.0	83	.1	5.2
1	.0	0	.5	4.4	2.0	. 2	. 1	.0	112	. 3	6.9
0	.0	.1	1.5	7.6	1.5	. 1	. 1	.0	169	. 1	10.8
-1	.0	. 1	2.9	7.4	1.3	.1	.0	.0	183	. 1	11.7
-2	.0	. 2	2.9	5.7	1.3	.1	.0	.0	159	. 1	10.1
-3 -4	.0	. 3	5.1	4.0	.7	. 1	.0	.0	159	. 2	10.0
-4	.0	. 8	6.6	3.1	1.0	. 1	.0	.0	180	. 2	11.3
-5	.0	1.1	3.9	3.4	. 4	.0	.0	.0	138	. 1	8.7
-6	.0	. 8	2.9	1.9	.3	.0	.0	.0	93	. 1	5.9
-7/-8	.0	1.4	4.3	2.2	.0	.0	.0	.0	123	.0	7.9
-9/-10	. 1	. 8	2.1	. 8	.0	.0	.0	.0	58	.0	3.7
-11/-13	.0	.6	.6	. 2	.0	.0	.0	.0	23	.0	1.5
-14/-16	.0	. 1	.2	.0	.0	.0	.0	.0	4	.0	. 3
TOTAL	1		531		506		5			17	1545
		98		704		16		1	1562		
PCT	. 1	6.3	34.0	45.1	13.2	1.0	. 3	.1	100.0	1.1	98.9

PERIOD: (DVER-ALL) 1963-1970

				30	T FREQ	DF WIND	SPEED	(KTS) AND DIRE	CTION V	VERSUS S	EA HEIG	HTS (FT)		
				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	. 5	.1	.0	.0	.0	.6	• 2	. 2	.0	.0	.0	.0	. 4
1-2	.0	1.8	.5	.0	.0	.0	2.3	•0		.0	.0	.0	.0	
3-4	.0	.7	2.2	.3	.0	.0	3.2	.0	.0	.2		.0	.0	. 2
5-6	.0	.0	1.1	1.1	.3	.0	2.5	.0	.5	. 9	. 2	.0	.0	1.6
7	.0	.0	. 1	. 8	.0	.0	1.0	.0	.0	.2	.5	.0	.0	.7
8-9	.0	.0	.5	.4	.2	.0	1.1	.0	.0		. 3	.0	.0	. 3
10-11	.0	.0	. 2	. 1	• 0	.0	. 3	.0	.0	.0	.2	.0	.0	. 2
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.2	• 0	.0	. 2	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	•0	.0	•0	.0	.0	.0	.0	.0	.0
87+ TOT PCT	.0	3.0	4.8	2.9	.0	.0	.0	.0	.0	1.3	1.2	.0	.0	3.5
10, 10,	••	,,,				••	11.1							
HGT			11-21	E	34-47	48+		1-3	4-10		SE 22-33	34-47	48+	PCT
<1	1-3	4-10	11-21	22-33	.0		PCT	1-3	.1	11-21				
1-2		. 4	.0	.0	.0	.0	.4	.2	.0	.0	.0	.0	.0	. 1
3-4	.0	. 3				• 0	.3		.4	.0	.0	.0	.0	. 2
5-6	.0	.4	:5	.0	.0	.0	.7	:0	:0	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
TOT PCT	.0	1.1	, 9	.1	.0	.0	2.1	. ?	. 5	.2	.0	.0	.0	. 9
					. 0	.0					.0			

PCT FREO DE KIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

							SPEED IN	3,							
				S							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	. 2	.0	.0	.0	.0	. 2	.0	.4	.0	.0	.0	.0	. 4	
1-2	.0	. 9	. 2	.0	.0	.0	1.1	.0	1.4	. 5	.0	.0	.0	1.9	
3-4	.0	. 6	. 8	.0	.0	.0	1.4	.0	2.1	3.0	. 2	.0	.0	5.3	
5-6	.0	.1	.9	. 2	.0	.0	1.2	.0	. 4	4.1	1.0	.0	.0	5.5	
7	.0	.0	. 5	.1	• 0	.0	. 7	.0	.2	1.5	1.2		.0	3.0	
8-9	.0	.0	.0	. 5	. 2	.0	. 7	.0	. 2	. 4	1.6	. 4	.0	2.5	
10-11	.0	.0	.0	. 1	.0	.0	. 1	.0		.7	1.2	.5	.0	2.5	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	. 2	.0	. 7	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 4	.0	. 4	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 4	.0	.0	. 4	
20-22	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	. 3	.0	. 3	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		. 2	. 2	. 4	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TUT PCT	.0	1.8	2.4	.9	• 2	• 0	5.4	.0	4.6	10.3	6.2	2.0	. 2	23.3	
				W							NW	34-47		PCT	PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33		48+		PCI
<1	.0	. 2	.0	.0	• 0	• 0	. 2	.0		•	.0	.0	.0	.6	
1-2	. 2	1.4	.6	.0	.0	.0	2.2	.4	1.5	.4	.0	.0	.0	2.2	
3-4	.0	2.1	2.6	. 1	.0	• 0	4.8	.0	. 7	2.2	.4	.0	.0	3.3	
5-6	.0	.0	6.4	1.3	.0	• 0	7.7	• 0	.2	2.7	2.4	.1	.0	5.4	
7	.0	.0	2.6	3.0	. 8	• 0	6.5	.0	.0	1.5	1.0	. 2	.0	2.6	
8-9	.0	.0	. 2	3.4	.4	.0	3.9	.0	.0	. 2	2.0	. 5	.0	2.7	
10-11	.0	.1	. 1	1.5	. 3	.0	2.1	.0	.0	.0	. 7	. 1	. 2	1.0	
12	.0	.0	.0	1.0	.7	.0	1.7	.0	.0	.0	.5	.4	.0	. 9	
13-16	.0	.0	.0	.4	1.5	.0	1.8	.0	.0	.0	.5	.4	.0	. 9	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	. 3	. 2	.5	.0	.0	.0	.0	. 4	.0	. 4	
23-25	.0	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.3	. 8	.0	1.1	.0	.0	.0	*		.0	. 1	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	. 2	3.8	12.5	11.0	5.9	. 2	33.6	.4	3.0	6.9	7.6	2.1	. 2	20.1	99.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	.9	2.6	.2	.0	.0	.0	3.7	003
1-2	.7	7.3	2.1	.0	.0	.0	10.1	
3-4	.0	7.0	11.2	1.0	.0	.0	19.2	
5-6	.0	1.2	16.8	6.1	.3	.0	24.5	
7	.0	. 2	6.5	6.6	1.0	.0	14.3	
8-9	.0	. 2	1.2	8.2	1.6	.0	11.2	
10-11	.0	. 2	1.0	3.8	.9	. 2	6.1	
12	.0	.0	.0	. 2.1	1.2	.0	3.3	
13-16	.0	.0	.0	1.0	2.3	.0	3.3	
17-19	.0	.0	.0	. 3	.0	.0	.3	
20-22	.0	.0	.0	.0	.7	. 2	. 9	
23-25	.0	.0	.0	.0	1.4	.0	1.4	
26-32	.0	.0	.0	.3	1.0	. 2	1.6	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								572
TOT PCT	1.6	18.7	39.0	29.7	10.5	.5	100.0	

PERIOD: (DVER-ALL) 1949-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86

PERIOD	< 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	20-32	33-40	41-48	49-60	61-70	71-86	87+	TUTAL	MEAN
(SEC)																					HGT
<6	.3	2.7	3.2	2.0	1.2	. 8	1.0	. 1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	105	5
6-7	. 1	. 5	7.9	3.4	4.7	1.8	2.5	.5	1.0	. 8	.0	. 1	. 2	.0	.0	.0	.0	.0	.0	164	8
8-9	.0	. 3	. 3	2.0	5.9	4.3	4.5	2.4	2.9	. 9	1.0	. 1	. 2	.0	.0	.0	.0	.0	.0	221	10
10-11	.0	.0	.0	.5	2.1	3.4	2.9	1.7	2.8	. 6	1.0	.6	.6	.1	.0	.0	.0	.0	.0	144	12
12-13	.0	.0	. 1	. 1	. 3	1.2	. 9	1.6	3.2	. 8	1.0	• 1	. 8	.0	.0	.0	.0	.0	.0	90	14
>13	.0	.0	.0	. 2	. 3	. 7	.7	. 2	1.2	.1	. 9	.5	1.6	. 1	.0	.0	.0	.0	.0	58	18
INDET	.2	1.0	1.4	1.4	1.1	2.7	1.7	. 3	. 7	. 8	. 1	.0	. 1	.0	.0	.0	.0	.0	.0	102	8
TOTAL	6	40	70	85	140	132	126	60	110	35	36	12	31	2	0	0	0	0	0	885	10
PCT	. 7	4.5	7.9	9.6	15.8	14.9	14.2	6.8	12.4	4.0	4.1	1.4	3.5	• 2	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD:	(PRIMARY)	1913-1970
	(OVER-ALL)	1859-1970

TABLE 1

AREA 0016 ESPERANCE BAY S 35.45 120.66

PERCENT FREQUENCY DE	WEATHER	DCCURRENCE	BY	WIND	DIRECTION
----------------------	---------	------------	----	------	-----------

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA		
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRA BLWG D BLWG S	DUST	ND SIG WEA
N NE	4.0	3.9	.3	.0	•0	.0	.0	8.2 5.2	1.5	2.5	.8	.0	.0		0	88.3 92.4
E SE	4.8	5.0	.0	.0	.0	.0	.0	9.2	1.6	1.2	1.7	.0	•0		.0	88.0 80.6 84.9
S S W	3.1 5.8	10.3	2.2	.0	•0	.0	.0	9.4 15.5 22.5	5.7 6.0 5.5	.0 .6	.0	.0	.3		.0	77.9
NW VAR	5.8	6.0	.4	.0	.0	.0	.0	12.2	2.1	1.0	1.2	.0	.2		.0	83.7
CALM	.0	.0	6.3	.0	.0	.0	.0	6.3	6.3	.0	.0	.0	•0		.0	87.5
TOT PCT TOT OBS:	1838	8.8	1.5	•0	•0	•0	.0	14.5	4.2	.,	.,	.0	• 2			00.2

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR			
00£03 06£09 12£15 18£21	4.0 3.7 4.8 4.2	11.2 5.4 9.8 7.1	1.3 .7 2.2 2.0	•0	.0	.0	.0	16.6 9.8 16.8 13.2	3.5 5.1 4.1 3.9	2.4	.2	.0	.2	.0	79.4 84.6 77.2 81.7
TOT PCT TOT DBS:	4.2	8.6	1.6	•0	• 0	.0	.0	14.4	4.1	.9	.3	.0	• 2	.0	80.4
	(GMT) 00603 06609 12615 18621 TOT PCT	00603 4.0 06609 3.7 12615 4.8 18621 4.2	OREO3 4.0 11.2 06609 3.7 5.4 12815 4.8 9.8 18821 4.2 7.1	HOUR (GMT) RAIN RAIN DRZL 00603 4.0 11.2 1.3 06609 3.7 5.4 .7 12615 4.8 9.8 2.2 18621 4.2 7.1 2.0 TOT PCT 4.2 8.6 1.6	HOUR (GMT) RAIN RAIN DRZL FRZG PCPN 00603 4.0 11.2 1.3 .0 06609 3.7 5.4 .7 .0 12615 4.8 9.8 2.2 .0 18621 4.2 7.1 2.0 .0 TOT PCT 4.2 8.6 1.6 .0	HOUR (GMT) RAIN RAIN DRZL FRZG SNOW PCPN 00603 4.0 11.2 1.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	(GMT) SHWR PCPN FRZN PCPN 00603 4.0 11.2 1.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	HOUR (GMT) RAIN RAIN DRZL FRZG SNOW OTHER HAIL FRZN PCPN 00603 4.0 11.2 1.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .12615 4.8 9.8 2.2 .0 .0 .0 .0 .0 .0 .18621 4.2 7.1 2.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	HOUR (GMT) RAIN RAIN DRZL FRZG SNOW OTHER HAIL PCPN AT PCPN 00603 4.0 11.2 1.3 .0 .0 .0 .0 .0 16.6 06609 3.7 5.4 .7 .0 .6 .0 .0 .0 9.8 12615 4.8 9.8 2.2 .0 .0 .0 .0 .0 16.8 18621 4.2 7.1 2.0 .0 .0 .0 .0 13.2 TOT PCT 4.2 8.6 1.6 .0 .0 .0 .0 .0 14.4	HOUR (GMT) RAIN RAIN DRZL FRZG SNOW OTHER FRZN DB TIME HOUR FRZN PCPN PAST OB TIME HOUR PCPN PCPN PCPN PCPN PCPN PCPN PCPN PCP	HOUR (GMT) RAIN RAIN DRZL FRZG SNOW OTHER FRZN OB TIME HOUR LYNG 00603 4.0 11.2 1.3 .0 .0 .0 .0 16.6 3.5 .0 06609 3.7 5.4 .7 .0 .6 .0 .0 9.8 5.1 .2 12615 4.8 9.8 2.2 .0 .0 .0 .0 16.8 4.1 2.4 18621 4.2 7.1 2.0 .0 .0 .0 .0 13.2 3.9 .7 TOT PCT 4.2 8.6 1.6 .0 .0 .0 .0 14.4 4.1 .9	HOUR (GMT) RAIN RAIN DRZL FRZG SNOW OTHER HAIL PCPN AT PCPN PAST THOR FOG MO PCPN 00603 4.0 11.2 1.3 .0 .0 .0 .0 16.6 3.5 .0 .4 06609 3.7 5.4 .7 .0 .6 .0 .0 9.8 5.1 .2 .2 12615 4.8 9.8 2.2 .0 .0 .0 .0 16.8 4.1 2.4 .2 18621 4.2 7.1 2.0 .0 .0 .0 .0 16.8 4.1 2.4 .2 7 .5 TOT PCT 4.2 8.6 1.6 .0 .0 .0 .0 .0 14.4 4.1 .9 .3	HOUR (GMT) RAIN RAIN DRZL FRZG SNOW DTHER HAIL PCPN AT DB TIME HOUR LTNG WO PCPN PAST THOR PCPN	HOUR (GHT) RAIN RAIN DRZL FRZG SNOW OTHER HAIL DE TIME HOUR THOUR LTMG WO PCPN PAST HAZE PCPN PAST HOUR THOUR HOUR HOUR HOUR HOUR HAZE PCPN PAST HR 00603 4.0 11.2 1.3 .0 .0 .0 .0 16.6 3.5 .0 .4 .0 .2 06609 3.7 5.4 .7 .0 .6 .0 .0 9.8 5.1 .2 .2 .0 .2 12615 4.8 9.8 2.2 .0 .0 .0 .0 16.6 4.1 2.4 .2 .0 .2 18621 4.2 7.1 2.0 0 .0 .0 .0 13.2 3.9 .7 .5 .0 .0 .0 .2 18621 4.2 7.1 2.0 0 .0 .0 .0 13.2 3.9 .7 .7 .5 .0 .0 .0 .0 .0 10.0 13.2 3.9 .7 .7 .5 .0 .0 .0 .0 .0 10.0 13.2 3.9 .7 .7 .5 .0 .0 .0 .0 .0 .0 14.4 4.1 .9 .9 .9 .0 .2	HOUR (GMT) RAIN RAIN DRZL FRZG SNOW OTHER FRZN DB TIME PCPN AT PCPN PAST THOR FOR WO PCPN HAZE BLWG DU BLWG SN PCPN PCPN PCPN PCPN PCPN PCPN PCPN P

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

					FERC	ENTAGE	KENOE	NC I DE	HIND D									
			WIT	IN SPE	ED (KN	DTS)								HOUR	(GMT)			
W	ND DIR	0-3				34-47	48+	TOTAL	PCT	SPD	00	03	06	09	12	15	18	21
	N	.6	3.7	4.9	1.6	.4	.0		11.2	14.1	10.5	15.3	8.1	12.9	11.4	13.2	8.1	13.8
	NE	.5	3.1	2.7			.0		7.5	13.2	7.1	7.0	5.4	6.3	7.8	10.5	8.5	8.8
	F	. 3	1.7	1.1			.0		3.5	11.4	2.6	3.3	3.4	4.9	4.3	4.1	2.1	3.9
	SE	. 5	1.5	1.1			.0		3.1	9.4	2.9	3.9	3.2	2.0	3.3	3.5	3.5	2.5
			3.7	3.2		. 2	.0		9.4	14.3	9.7	7.2	9.3	8.6	9.2	8.5	13.2	6.9
	SW	.5	5.3	7.6			.1		21.0	18.1	21.3	16.8	22.4	19.0	21.0	18.1	25.7	20.0
	3"	.5	5.4	10.9			.1		27.0	19.3	27.2		33.8	26.3	27.4	25.1	22.0	21.7
	NW	.6	4.6	7.1					16.3	16.2	18.4		14.3	19.4	14.0			18.5
	VAR	.0	.0	.0			.0		.0	.0	.0	.0	.0	.0	.0	.0		.0
			• 17	• 0		• •	• 0		1.1	.0	.4	.0	.0	.6	1.7	1.8		3.9
	CALM DT OBS	1.1	700	936	523	133	6	2420		16.3	495	243	312	174	541	171	304	180
	DT PCT	122	700				. 2	2420	100.0	10.0							100.0	

		WIND	SPEED	(KNOTS)							(GMT	
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						UBS	FREQ	SPD	03	09	15	21
N	2.1	5.4	2.6	1.0	.0		11.2	14.1	12.1	9.8	11.8	10.2
NE	1.6	3.9	1.4	.5			7.5	13.2	7.0	5.8	8.4	8.6
F	1.0	1.7	.5	.3	.0		3.5	11.4	2.8	4.0	4.2	2.7
e SE	1.1	1.7	. 4		.0		3.1	9.4	3.2	2.8	3.3	3.1
5	1.5	4.5	2.7	.6	. 1		9.4	14.3	8.9	9.1	9.1	10.8
SW	2.5	7.6	6.9	3.5	.5		21.0	18.1	19.8	21.1	20.3	23.6
	2.3	8.2	10.9	4.9	.7		27.0	19.3	27.7	31.1	26.9	21.8
NW	2.0	6.1	6.5	1.6	.1		16.3	16.2	18.2	16.2	14.3	16.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM		• •					1.1	.0	.3	.2	1.7	2.3
TOT OBS	365	944	772	303	36	2420		16.3	738	486	712	484
TOT PCT	15.1	39.0	31.9	12.5	1.5		100.0			100.0		100.0

PERIND:	(PRIMARY)	1913-1970	
	(DVER-ALL)	1859-1970	

TABLE 4

AREA 0016 ESPERANCE BAY S 35.45 120.6E

DEDCENTAGE	ERECHENCY	DE	WIND	SPEED	BY	HOUR	(GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (34-47	48+	MEAN	PCT FREQ	TOTAL
00603	.3	4.2	30.4	38.1	20.6	6.1	.4	16.3	100.0	738
90300	. 2	2.3	23.9	43.2	23.3	7.0	. 2	17.6	100.0	486
12615	1.7	4.8	30.2	37.4	20.9	4.9	. 1	15.7	100.0	712
19821	2.3	4.1	30.0	37.0	22.5	3.9	. 2	15.8	100.0	484
TOT	26	96	700	936	523	133	6	16.3		2420
PCT	1.1	4.0	28.9	38.7	21.6	5.5	. 2		100.0	

TABLE 5

P	CT FRE			LOUD A		(EIGHTHS)							CEILIN					
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	3.9	1.4	2.4	1.4		3.7	.0	.0	. 1	.8	.9	. 4	.3	.2			6.5	
NE	1.8	. 9	2.4	1.5		4.9	.0	.0	*	. 4	. 9	1.0	. 4	. 2	.0		3.7	
F	1.0	. 8	1.3	. 7		4.5	.0	. 1	.0	. 2	. 3	. 7	. 2	.0	.0	.0	2.2	
SE	.4	.5	1.4	. 8		5.6	.0	.0	.0	. 4	. 5	.7	. 3		.0	.0	1.3	
5.	1.6	3.0	4.6	1.9		5.0	.0	.0	.0	. 7	2.0	1.1	1.0	. 2	.0	.0	6.1	
SW	4.2	5.5	8.8	4.3		4.8	.0	.0	.0	1.7	3.9	3.1	1.4	. 4	.0	.0	13.4	
ŭ.,	4.7	5.9	11.7	5.4		5.1	.0	.1	. 4	3.1	5.3	2.5	1.7	1.0	.2	. 1	13.4	
NW	4.2	3.3	4.5	2.2		4.3	.0	.0		1.2	2.0	1.0	. 3	• 1	.1	. 1	9.4	
VAR	.0	.0	0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	12.50	200				3.5	.0	.0	.0	. 1	.1	.0	.1	.0	.0	.0	. 4	
TOT OBS	251	254	422	209	1136	4.8	.0	• • •	6	98	180	119	63	23	3	3	639	1135
TOT PCT	22.1	22.4	37.1	18.4	100.0	7.0	.0	• 2	. 5	8.6	15.8	10.5	5.5	2.0	.3	. 3		100.0

TABLE 7

CUMULATIVE	PCT FREG	OF SIMULTAN	EDUS OCCURRENCE
		(NH >4/8) A	

				VSBY (NM)			
CEILING	- DR	• GR	= DR	- OR	= DR	= OR	= OR	• DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	.5	.5	.5	.5	.5	.5	.5	.5
■ DR >5000	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5
■ DR >3500	6.9	7.9	7.9	7.9	8.0	8.0	8.0	8.0
■ DR >2000	15.7	18.4	18.4	18.4	18.5	18.5	18.5	18.5
■ OR >1000	27.8	33.6	34.2	34.2	34.3	34.3	34.3	34.3
■ DR >600	32.8	41.6	42.8	42.8	42.8	42.8	42.8	42.8
■ DR >300	33.1	42.2	43.3	43.3	43.4	43.4	43.4	43.4
■ OR >150	33.2	42.3	43.5	43.5	43.5	43.5	43.5	43.5
- DR > 0	33.2	42.3	43.5	43.5	43.5	43.5	43.5	43.5
TOTAL	383	488	501	501	502	502	502	502

TOTAL NUMBER OF OBS: 1153 PCT FREQ NH <5/8: 56.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO OBS 7.5 11.1 13.2 11.8 11.8 9.1 10.4 11.4 13.7 .0 1244

AUGUST

PERIOD:	(PRIMARY)	1913-1970
	I DIE P-ALL	1059-1070

TABLE 8

AREA 0016 ESPERANCE BAY S 35.45 120.6E

		P	FRCENT	PREC	OF WIN	D DIRE	CIION TH VAR	VS DCC	ALUES	E OR N	IBILI	CURRENC TY	E OF
VSBY (MM)		N	NE	Ε	3.6	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0			.0	.0	.0	.1	
1/2<1	NO PCP	• 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 1	
	TOT %	• 1	.0	.0	.0	• 0			.0	• 0	.0	. 1	
	PCP	.0	.0	.0	.0	. 0	.0	. 1	.0	.0	.0	.1	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	. 1	.0	. 0	.0	. 1	
	TOT %	• 0	.0	.0	.0	.0	.0	. 1	.0	4 .0	.0	. 1	
	PCP	.0	.0	.0	.1	. 1	. 2	. 2	.2		.0	. 8	
2<5	NO PCP	.0	.0	.0	. 1		. 1	. 3	. 1	.0	.0	.5	
	TOT %	• 0	• 0	.0	. 1	• 1	.3	. 5	. 2	.0	.0	1.3	
	PCP	.6	. 3	. 3	.3	.6	2.2	4.2	.9	.0	.1	9.5	
5<10	NO PCP	2.7	1.8	.4	. 8	2.8	4.7	7.0	4.4	.0	. 2	24.9	
	TOT *	3.3	2.2	. 7	1.0	3.4	7.0	11.2	5.3	.0	. 3	34.3	
	PCP	. 2	. 1	.0	. 1	.3	.9	1.8	. 8	.0	.0	4.1	
10+	NO PCP	6.2	4.9	2.7	2.1	6.4	13.3	14.4	9.4	.0	.6	60.0	
	TOT X	6.4	5.0	2.7	2.1	6.7	14.2	16.2	10.3	.0	.6	64.1	
	TOT DBS												1838
	TOT PCT	9.8	7.1	3.4	3.3	10.2	21.5	28.1	15.8	- 0	. 9	100.0	

(NM)	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	DBS
CIACIA	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	003
(1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	,0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	. 1	.0	.0	.0	.0	*	*	.0	.0		. 1	
	TOT %	.1	.0	.0	.0	.0	*		.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.1	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.1	.0	.0		. 1	
	TOT %	.0	• 0	•0	.0	.0	.0	. 1	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	4-10	.0	.0	.0	. 1	. 1	.0	. 1	.0	.0		.3	
	11-21	.0	.0	.0	*		. 2	. 2	.1	.0		.6	
	22+	.0	.0	.0	.0	.0	. 1	. 3	.1	.0		. 5	
	TOT %	.0	• 0	.0	. 1	. 1	.3	.6	. 3	.0	.0	1.3	
	0-3	. 2	• 1	. 2	. 2	. 1	.2	. 2	. 2	.0	. 3	1.4	
5<10	4-10	1.1	. 9	. 3	. 4	1.1	. 9	1.2	1.3	.0		7.2	
	11-21	1.1	.6	. 3	. 4	1.3	2.1	4.0	2.4	.0		12.2	
	22+	. 8	.5	.0		.7	3.4	5.3	1.5	.0		12.3	
	TOT #	3.1	2.0	. 8	1.0	3.3	6.6	10.7	5.3	.0	.3	33.1	
	0-3	. 3	.4	.1	.5	.3	.4	.4	.5	.0	.6		
10+	4-10	2.3	2.1	1.6	1.1	2.9	4.7	4.2	3.6	.0		22.5	
	11-21	3.2	2.2	. 8	. 4	2.2	5.6	7.6	4.2	.0		26.3	
	22+	1.0	.6	. 4		1.2	3.5	4.3	2.1	.0		13.1	
	TOT %	6.8	5.3	2.9	2.1	6.6	14.2	16.5	10.5	.0	.6	65.4	

PERIOD: (PRIMARY) 1913-1970 (OVER-ALL) 1859-1970

TABLE 10

AREA 0016 ESPERANCE BAY 5 35.45 120.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND

					DE	CURREN	ILE DE	NH (3)	0 61	HOUR
UR	000	150	300	600	1000	2000	3500	5000	6500	8000

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.0	.4	.4	10.3	18.0	10.9	4.6	1.1	.0	.4	45.8	54.2	284
90300	.0	.3	.6	8.5	14.8	9.1	7.9	1.6	.3	.0	43.1	56.9	318
12815	.0	.0	.7	7.6	12.5	9.9	4.0	2.3	.3	.3	37.6	62.4	303
18821	.0	.0	. 3	7.0	16.4	10.8	4.5	2.8	. 3	.3	42.5	57.5	287
TOT	.0	.2	6	99	183	121	5.3	23	.3	.3	503	689 57.8	1192

TABLE 11

TABLE 12

		PERCENT	FREQUEN	ICY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.0	.0	1.3	33.1	65.6	553	00603	.0	.7	11.9	35.4	52.7	277
90300	.0	.2	.2	1.6	26.6	71.3	428	06809	.0	1.3	11.0	33.4	55.5	308
12615	.0	.0	•0	1.2	38.6	60.2	585	12815	.0	.7	8.9	29.8	61.3	292
18821	.0	.2	. 2	1.2	33.2	65.2	428	18821	.0	.4	8.7	35.9	55.4	276
TOT PCT	.0	.1	? • 1	26	665 33.4	1299	1994	T DT PCT	.0	.8	117	387 33.6	649 56.3	1153

T	٨	a	1	=	1	2

Ť	٨	R	i	Ε	1	4
(8)	*	ь	L	-		•

					MOLE I	-									IABL	E 14				
	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP TOTAL PCT PERCENT FREQUENCY OF WIND DIRECTION BY TEMP							EMP												
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
70/74	.0	.0	.0	.0	.0	.1	.0	.0	1	.1	.0		. 1	.0	.0	.0	.0	.0	.0	.0
65/69	.0	.0	. 1	.0	.4	.0	. 2	.0	10	.7	. 2		.0	.0	.0	.0	. 1	. 3	.0	.0
60/64	.0	.0	. 1	. 5	2.4	4.8	4.3	. 9	194	13.0	3.0	1.6	. 4	.1	.1	. 8	2.6	4.5	.0	. 1
55/59	.0	.0	.0	1.5	9.7	21.2	19.3	6.7	871	58.5	6.1	4.8	2.4	1.6	3.3	11.0	18.4	10.0	.0	. 8
50/54	.0	.0	.0	2.1	6.2	6.2		3.2	388	26.0	. 9	. 9	. 5	1.2	6.2	8.8	6.4	1.1	.0	.1
45/49	.0	.0	.0	. 1	. 4	. 3	. 5	. 3	26	1.7	.0	.0	.0	.0	4	. 7	.6	.0	.0	.0
TOTAL	0	0	3	62	286	487	486	166		100.0			• •			• '				
PCT	.0	.0	.2	4.2	19.2	32.7	32.6	11.1	14.0	•	10.2	7.4	3.3	3.0	10.0	21.3	28.1	15.8	.0	. 9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00603	70	66	52	57	51	48	46	56.6	730
12615	73 68	65	62	56	52 51	49	47	57.5	481 713
18821	65	63	51	56	50	48	48	55.5	489
TOT	73	65	62	56	51	48	46	56.5	2413

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	3.8	14.6	31.6	36.8	13.2	79	418
06609	.0	7.3	27.5	32.4	26.0	6.7	74	327
12615	.0	3.3	17.2	34.7	33.0	11.9	78	430
18821	.0	4.1	19.0	32.4	32.4	12.2	78	343
TOT	0	68	290	498	492	170	77	1518

AUGUST

PERIOD: (PRIMARY) 1913-1970 (OVER-ALL) 1859-1970

TABLE 17

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	45	49	53	57	61	65	69	73	TOT	W	WD
TMP DIF	48	52	56	60	64	68	72	76	101	FOG	FOG
11/13	.0	.0	.0	. 1	.0	. 1	.0	. 1	3	.0	. 2
9/10	.0	.0	.0	.0	.0	. 1	.0	.0	3	.0	.1
7/8	.0	.0	.0	.0	. 1	. 1	.0	.0		.0	.3
	.0	.0	.0	.0	. 1	.0	.0	.0	2	.0	. 1
5	.0	.0	.0	.1	.4	. 1	.0	.0	9	.0	.1
6 5 4 3 2 1 0 -1 -2 -3 -4 -5	.0	.0	.1	.5	.6	. 1	.0	.0	20	.0	1.3
3	.0	.0	. 1	1.4	1.1	. 1	.0	.0	41	. 1	2.6
2	.0	.0	. 2	3.0	2.0	.0	.0	.0	79	.1	5.2
1	.0	.0	. 8	5.9	1.2	.0	.0	.0	119	.1	7.8
0	.0	.1	1.7	6.9	.5	. 1	.0	.0	140	.0	9.2
-1	.0	.3	5.9	5.8	. 7	.0	.0	.0	192	.0	12.7
-2	.0	.3	5.7	3.9	. 5	.0	.0	.0	157	. 1	10.3
-3	.0	.7	6.6	3.8	.3	.0	.0	.0	172	.0	11.4
-4	.0	1.1	5.7	3.3	. 3	.0	.0	.0	158	.0	10.4
-5	. 1	2.4	4.4	1.9	. 1	.0	.0	.0	135	. 1	8.9
-6	. 1	1.7	2.5	1.8	. 1	.0	.0	.0	95	.0	6.3
-7/-8	. 3	2.5	3.4	1.0	.0	.0	.0	.0	108	.0	7.1
-9/-10	. 1	. 9	1.5	.6	. 1	.0	.0	.0	47	.0	3.1
-11/-13	. 2	.7	. 7	. 1	.0	.0	.0	.0	26	.0	1.7
-14/-16	. 1	. 2	. 1	.0	.0	.0	.0	.0	6	.0	. 4
TOTAL	13		598		123		0			6	1508
		153		604		12		1	1514		10101010
PCT	.9	10.8	39.5	39.9	8.1	. 8	.0	.1	100.0	. 4	99.6

PERIOD: (DVER-ALL) 1963-1970

TABLE 18

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 61-70 71-86 8 PCT 1-3 1-3 1.59 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 HGT PCT 48+ 1-3 11-21 4-10 34-47

AREA Onlo ESPERANCE BAY S 35.45 120.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS	(FT)	HEIGHTS	SEA	VERSUS	DIRECTION	AND	(KTS)	SPEED	WIND	OF	FREQ	PCT
---	------	---------	-----	--------	-----------	-----	-------	-------	------	----	------	-----

						F WIND	SPEED IN	13) AND DIREC	, i Luis v	54302 3	EA HEIL	m15 (F1)			
				5							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	. 3	. 2	.0	.0	.0	.0	.5	• 2	. 7	.0	.0	.0	.0	. 9	
1-2	. 2	1.8	. 3	.0	.0	.0	2.3	. 2	2.0	.5	.0	. 0	.0	2.8	
3-4	.0	1.3	1.3	. 1	.0	.0	2.7	.0	2.3	4.0	.0	.0	.0	6.3	
5-6	.0	. 3	1.7	. 8	.0	.0	2.8	.0	. 7	2.3	1.1	.0	.0	4.0	
7	.0	.0	. 8	. 3	.2	.0	1.2	.0	.0	2.8	1.3	. 2	.0	4.3	
5-9	.0	.0	.7	. 2	.0	.0	. 8	.0	.0	. 6	1.3	.0	.0	2.0	
10-11	.0	.0	.1	.2	.2	.0	. 5	.0	.0		.3		.0	.4	
12	.0	.0	.2	.0	.0	.0	.2	.0	.0	. 2	. 2	.0	.0	.3	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 3	.0	. 3	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.0	. 2	
20-22	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.5	3.6	5.0	1.5	.3	.0	10.9	.4	5.6	10.4	4.3	.8	.0	21.5	
HGT	1-3			W 22							NW				TOTAL
		4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	• 1	. 5	.0	.0	• 0	• 0	.0	.4	.4	.0	.0	.0	.0	. 8	
1-2	. 1	1.3	.3	.0	• 0	• 0	1.8	. 2	1.8	• 0	.0	.0	.0	1.9	
3-4	.0	2.5	4.1	. 3	.0	• 0	7.0	.0	1.3	2.8	. 2	.0	.0	4.3	
5-6	.0	.7	4.1	2.4	• 5	• 0	7.3	.0	.3	2.5	.2	.0	.0	3.0	
7	.0	.0	2.3	1.9	. 3	.0	4.5	.0	.0	1.3	1.7	. 2	.0	3.1	
8-9	.0	.0	1.0	.6	.0	.0	1.6	.0	.0	.6	1.0	.0	.0	1.6	
10-11	.0	.0	. 3	. 8	• 1	.0	1.2	.0	.0	*		. 2	.0	. 3	
12	. 0	.0	.0	.2	. 2	.0	.3	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	. 7	.0	.7	.0	. 0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	. 2	.2	.0	. 3	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	. D	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	5.0	12.1	6.3	1.6	.0	25.3	.5	3.8	7.2	3.2	.3	.0	15.0	98.8

WIND	SPEED	(KTS)	VS	SEA	HEIGHT	(FT)
	2. 51.0	4 1 1		200		20.00

нот	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.9	3.8	.0	.0	.0	.0	7.7	DBS
1-2	. 8	11.7	2.5	.0	.0	.0	15.0	
3-4	.0	9.9	15.5	. 8	.0	.0	26.2	
5-6	.0	2.0	15.8	5.6	. 2	.0	23.5	
7	.0	.0	7.6	5.0	.8	.0	14.1	
8-9	.0	.2	2.8	3.9	. 2	.0	7.1	
10-11	.0	.0	1.0	1.8	1.0	.0	3.8	
12	.0	.0	. 3	.3	.3	.0	1.0	
13-16	.0	.0	.0	. 2	1.0	.0	1.2	
17-19	.0	.0	.0	. 2	. 3	.0	.5	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-49	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								608
TOT PCT	4.8	27.5	45.4	18.6	3.8	.0	100.0	

PERIOD: (OVER-ALL) 1949-1970 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
(SEC)																					HGT
<6	.6	2.4	4.9	3.1	1.6	. 8	.1	. 1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	124	4
6-7	.0	. 1	2.4	6.7	5.9	3.3	1.6	1.7	1.6	. 5	. 3	. 2	.0	.0	.0	. 0	.0	.0	. 0	214	8
8-9	.0	.0	1.5	3.1	5.0	4.9	4.1	2.5	3.0	. 2	.3	. 2	. 2	.0	.0	.0	.0	.0	.0	225	9
10-11	.0	.0	. 6	1.6	2.3	1.8	2.7	2.3	3.1	. 8	. 3	.2	. 2	.0	.0	. 0	.0	.0	.0	140	10
12-13	.0	.0	. 1	. 2	1.4	1.4	1.6	. 8	1.5	. 2	.6	. 3	. 8	. 1	.0	.0	.0	.0	. 0	79	13
>13	.0	.0	.0	.0	. 3	. 2	. 5	. 1	1.5	.1	.2	. 2	. 6	.0	.0	. 0	.0	.0	. 0	33	16
INDET	1.0	.6	. 9	.7	1.5	. 7	1.3	. 3	. 3	. 1	.0	.0	.0	.0	.0	. 0	.0	.0	.0	65	6
TOTAL	14	27	91	135	158	115	104	69	101	17	16	11	16	1	0	0	0	.0	0	875	0
PCT	1.6	3.1	10.4	15.4	18.1	13.1	11.9	7.9	11.5	1.9		1.3	1.8	• 1	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD:	(PRIMARY)	1913-1970
	101150 ALL)	10EE 1070

TABLE 1

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENT FREQUENCY	DF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

				P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
 ÷	WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
	N	2.5	1.1	.0	.0	.0	.0	.0	3.6	2.1	1.7	. 8	.0	1.3	.0	90.9
	NE	1.4	1.3	.2	.0	.0	.0	.0	2.8	.3	1.3	.0	.0	1.3	.0	94.4
	E	6.7	5.2	3.7	.0	.0	.0	.0	15.6	1.0	.0	2.0	.0	.0	.0	81.5
	SE	4.7	.0	1.1	.0	.0	.0	.0	5.8	4.1	.0	.0	.0	.0	• 0	90.1
	S	1.2	4.3	3.4	.0	.0	.0	.0	8.8	4.4	. 6	. 9	.0	.6	.4	84.6
	SW	4.3	7.4	1.5	.0	.0	.0	.0	13.2	3.6	. 9	. 8	.0	. 3	.1	81.7
	W	3.4	9.1	1.5	.0	.0	.0	.0	14.0	4.1	1.5	1.1	.0	. 2	.0	80.0
	NW	4.3	5.0	.6	.0	.0	.0	.0	9.9	1.6	1.4	1.0	.0	. 2	.0	86.2
	VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	CALM	.0	.0	10.5	•0	•0	.0	.0	10.5	.0	.0	.0	.0	.0	• 0	89.5
	TOT PCT	3.5	5.6	1.6	.0	• 0	.0	.0	10.6	2.9	1.1	.9	.0	.4	.1	84.5

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00803 06809 12815 18821	3.8 2.3 3.8 3.8	6.5 4.9 5.1 5.6	1.6 2.1 1.5 1.5	.0	.0	.0	.0	11.9 9.3 10.4 10.9	2.4 3.1 3.2 3.3	.6 .0 1.9 1.8	1.3 1.3	.0	.2	.0 .3 .0	84.4 85.8 83.5 83.8
TOT PCT	3.5	5.6	1.6	.0	• 0	.0	.0	10.7	3.0	1.1	1.0	.0	. 4	.1	84.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	ופדמ								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N	.4	2.9	2.9	1.1	.1	.0		7.5	13.5	9.7	11.3	5.4	4.5	4.8	8.8	6.2	11.1	
NE	. 4	3.5	4.3	1.5	. 1	.0		9.8	14.0	8.3	9.7	9.6	9.1	9.5	12.5	11.0		
E	. 4	2.2	2.9	.6	.0	.0		6.0	12.2	4.9	4.9	5.9	7.8	8.2	4.3	6.8	3.5	
SE	. 2	2.1	1.6	.5	. 1			4.5	12.8	4.6	2.6	6.5	3.6	6.0	3.4	3.6	3.0	
S	. 3	3.9	3.8	1.8	. 4			10.3	14.8	8.5	9.5	8.8	8.1	11.1	14.0	12.4	11.1	
SW	. 2	4.9	9.1	4.4	1.8			20.5	18.3	20.1	17.1	23.8	23.7	17.5	20.7	21.3	24.4	
W	.6	6.0	11.4	6.4	2.0	.2		26.5	18.1	25.5	25.7	25.2	29.2	30.8	21.6	26.1	24.1	
NW	. 4	4.1	6 - 1	2.2	. 4	.0		13.1	15.2	17.3	16.7	14.2	11.4	10.1	11.0	11.1	9.5	
VAR	.0	.0	• 0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	
CALM	1.7							1.7	.0	1.0	2.5	.6	2.6	1.9	3.7	1.5	1.8	
TOT DBS	112	689	986	428	112	7	2334		15.8	489	244	316	154	485	164	314	167	
TOT PCT	4.8	29.5	42.2	18.3	4.8	. 3		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL DBS	PCT FREQ	MEAN SPD	00	06 09	12 15	18 21
N	1.6	3.4	1.9	. 5	:		7.5	13.5	10.2	5.1	5.8	7.9
NE	1.6	4.7	2.8	. /			9.8	14.0	8.8	9.4	10.2	11.1
e SE	1.3	3.1	1.6		.0		6.0	12.2	4.9	6.5	7.2	5.7
SE	1.1	2.2	1.0	. 1	. 1		4.5	12.8	3.9	5.5	5.3	3.4
5	1.8	5.0	2.2	1.1	. 2		10.3	14.8	8.9	8.6	11.8	12.0
SW	1.6	8.0	7.0	3.1	. 7		20.5	18.3	19.1	23.8	18.4	22.3
W	2.6	10.7	8.5	4.1	. 7		26.5	18.1	25.5	26.5	28.5	25.4
NW	1.5	6.4	3.9	1.2	. 1		13.1	15.2	17.1	13.3	10.3	10.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.7						1.7	.0	1.5	1.3	2.3	1.7
TOT DAS	346	1017	671	256	44	2334		15.8	733	470	650	481
TOT DET	14 0	42.4	-0 7	11.6	1 9		100 0		100 0	100.0	100.0	100-0

SEPTEMBER

PERIOD: (PRIMARY) 1913-1970 (DVER-ALL) 1855-1970

TABLE 4

AREA 0016 ESPERANCE BAY S 35.48 120.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEFD (KNOTS)			PCT	TOTAL
HOU	R CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
0300	3 1.5	2.2	27.3	43.8	20.5	4.6	. 1	16.4	100.0	733
0360		3.6	26.4	45.7	17.4	5.1	.4		100.0	470
1261	5 2.3	3.8	31.8	38.8	16.9	5.7	.6	15.6	100.0	650
1862	1 1.7	2.9	32.8	41.2	17.9	3.5	.0	15.0	100.0	481
TOT	40	72	689	986	428	112	7	15.8		2334
PCT	1.7	3.1	29.5	42.2	18.3	4.8	.3		100.0	

P	CT FRE			DIRFC		EIGHTHS)							CEILIN NH <5/					
ND DIP	0-2	3-4	5-7	8 & 08500	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000	6500 7999	8000+	NH <5/8 ANY HGT	
N	2.8	. 7	1.4	. 8		3.5	.0	.0	.0	.4	.7	.1	.1	. 2	. 1	. 1	4.1	
NE	5.0	1.6	1.9	1.6		3,2	.0	.0	.0	. 2	1.1	.6	. 3	• 1	. 1	. 1	7.6	
E	1.2	. 9	2.6	1.2		5.1	.0	. 1	.0	. 5	1.0	. 7	. 4	. 2	.0	. 1	3.0	
SE	1.0	1.3	2.8	1.1		5.3	.1	.0	.0	. 9	1.6	. 3	. 3	.0	.0	.0	3.0	
S	1.5	2.0	4.1	2.0		5.2	.1	.0	.0	. 8	3.0	.7	. 6	. 2	.0	.0	4.2	
SW	3.5	4.8	10.1	3.1		5.0		.0	. 4	1.7	3.9	2.3	1.4	. 3	.0	. 2	11.5	
W	7.1	4.5	11.5	4.1		4.6	.0	.0	. 3	1.8	5.0	2.5	1.5	. 5		.0		
NW	3.4	2.9	4.5	1.7		4.3	.0	.0		. 6	2.1	. 9	.6	. 2	. 2	. 1	7.9	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.5	.0	. 4	.1		3.3	.0	.0	. 1	.0	.0	.0	.0	.0	.0	.0	. 9	
280 TO	294	212	443	178	1127	4.5	2	1	9	78	208	91	58	19	4	6	651	1127
UT PCT	26.1	18.8	39.3	15.8	100.0		.2	• 1	. 8	6.9	18.5	8.1	5.1	1.7	.4	.5	57.8	100.0

TABLE 7

	CUM	ULATIVE	PCT FRE	OF SIML	LTANFOUS	DCCURR	ENCE	
		F CEILIN			8) AND V	SBY (NM)	
				VSBY (NM	1)			
CFILING	• OR	- DR	= DR	= OR	■ OR	· DR	· DR	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
			_					
■ DR >6500	.7	.8	.9	.9	.9	.9	. 9	. 9
- DR >5000	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5
■ DR >3500	6.1	7.2	7.6	7.7	7.7	7.7	7.7	7.7
■ DR >2000	12.8	15.0	15.7	15.8	15.8	15.8	15.8	15.8
■ DR >1000	28.5	32.8	33.9	34.1	34.1	34.1	34.1	34.1
■ DR >600	33.4	39.5	40.9	41.2	41.2	41.2	41.2	41.2
■ DR >300	33.7	40.2	41.7	41.9	41.9	41.9	41.9	41.9
• OR >150	33.7	40.2	41.7	42.0	42.0	42.0	42.0	42.0
• OR > 0	33.7	40.3	41.9	42.2	42.2	42.2	42.2	42.2
TOTAL	385	460	478	482	482	482	482	482

TOTAL NUMBER OF OBS: 1142 PCT FREQ NH <5/81 57.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSC0 0BS 11.9 12.6 11.7 11.9 9.7 9.3 10.0 10.5 12.4 .1 1254

							SEF	TEMBER					
PERIOD: (PRIMARY) (DVER-ALL)	913-1970 855-1970						TA	BLE B				ARE	84 0016 ESPERANCE BAY S 35.45 120.65
		P	RCENT	PREC	OF WIN	D DIRE	CTION TH VAR	VS DCC YING V	URRENCE ALUES	E OR N	IBILIT	URRENC Y	CE DF
VSBY: (NM)		N	NE	F	SE	5	SW	*	NW	VAR	CALM	PCT	TOTAL
<1/2	NO PCP	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
	101 \$.0	.0	.0	.0	•	•		.0	.0		. 1	
1/2<1	PCP NO PCP TOT \$.0	.0	.0	.0	.1	.0	.0	.0 .1 .1	.0	.0	.3	
1<2	PCP NO PCP	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT &	• 1	• 1	. 1	.0	. 1	. 1	. 1	•	.0	.0	. 5	
2<5	PCP NO PCP TOT \$.0	.0	.2	.1	.0	.1	.2	.1	.0	.0 .1	.9 .7	
	PCP	• 2	• 1		.1	.4	1.5	2.5	. 9	.0	.0	6.1	
5<10	NO PCP	2.0	1.9	1.2	1.0	2.3	5.7	8.6	3.2	.0	:1	20.3	
10+	PCP NO PCP	4.6	7.0	3.9	3.8	7.0	1.1	1.1	10.0	.0	.1	3.6	
	TOT *	4.7	7.1	4.3	3.9	7.4	14.4	18.1	10.3	.0	. 9	71.1	

TOT OBS 1731 TOT PCT 6.8 9.2 5.8 5.2 9.8 20.6 27.4 14.0 .0 1.1 100.0

TABLE 9

SBY NM)	SPD	N	NE	E	SE	5	SW	*	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	003
1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0			.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.1	.0	.0		.1	
	TOT %	.0	.0	.0	.0			. 1	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0		
/2<1	4-10	*	.0	.0	.0			. 1	. 1	.0		. 2	
	11-21	.0	.0	.0	.0	.0	.0	. 1	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %		• 0	.0	.0	. 1	•	.1	. 1	.0	.0	. 3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10		. 1	.0	.0	.0	.0	.0		.0		.1	
	11-21	. 1	.0	. 1	.0	. 1	.0	.0	.0	.0		. 2	
	22+	.0	.0	.0	.0	.0	. 1	. 1	.0	.0		.2	
	TOT %	.1	• 1	.1	.0	.1	.1	.1	•	.0	.0	.5	
	0-3		.0	.0	.0	.0	.0	.0		.0	.1	.1	
2<5	4-10	. 1	. 1	.0	. 1	.0	.0	.0	.1	.0		.3	
	11-21	.0	. 1	. 3	. 1	• ()	. 1	.1	.1	.0		. 8	
	22+	•		. 1	. 1	. 1	. 2	. 3	. 3	.0		1.0	
	TOT %	. 1	• 2	. 3	. 2	.1	. 3	.4	.5	.0	.1	2.2	
	0-3	. 1	.1	. 1	.1	.1	.1	. 2	. 1	.0	.1		
5<10	4-10	. 8	. 9	. 4	. 3	.6	. 9	. 9	. 8	.0		5.5	
	11-21	.6	. 8	. 6	. 5	.5	2.6	3.2	1.2	.0		9.9	
	22+	.4	. 2	. 1	. 1	. 9	1.9	3.7	. 9	.0		8.2	
	TOT %	1.9	1.9	1.2	1.1	2.1	5.4	8.0	3.0	.0	. 1	24.7	
	0-3	.3	.2	.3	.1		.2	4	.3	.0	1.1	3.0	
10+	4-10	2.2	2.3	1.7	2.0	3.4	4.1	5.0	3.4	.0		24.2	
	11-21	1.9	3.6	2.2	1.4	3.5	6.5	8.6	5.0	.0		32.7	
	22+	. 5	1.0	. 3	. 2	. 9	4.0	4.2	1.2	.0		12.4	
	TOT \$	5.0	7.2	4.5	3.7	7.8	14.7	18.3	10.0	.0	1.1	72.3	
T	OT DRS												189
	OT PCT	7.1	9.4	6.1	5.0	10.2	20.5	24 0	13.6	.0		100.0	

5	E	P	T	E	M	B	E	-

PERIOD: (PRIMARY) 1913-1970 (DVER-ALL) 1855-1970

TABLE 10

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

	DUR GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
0	0603	.0	.3	1.0	10.7	20.5	11.7	5.2	.6	.6	1.0	51.6	48.4	308
0	9038	.0	.0	.3	7.0	15.9	6.3	5.4	1.3	.3	.0	36.5	63.5	315
1	2615	.7	.0	.7	4.5	13.1	6.6	3.4	2.8	.0	.3	32.1	67.9	290
1	8621	.0	.0	1.0	4.4	19.9	5.7	5.7	1.7	.3	.7	39.5	60.5	296
	TOT	2	1	9	81	210	92	5.0	19	.3	6	484	725	1209

TABLE 1

TABLE 12

		PERCENT	FREQUEN	CY VSB	((NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.2	.7	1.8	25.0	72.3	556	00603	.0	1.4	14.4	40.4	45.2	292
90330	. 2	.5	• 2	3.1	17.6	78.3	415	90300	.0	.3	9.8	29.0	61.3	297
12615	.2	.4	.4	2.3	32.6	64.2	525	12815	.7	1.5	8.0	26.3	65.7	274
18621	.0	• 2	.7	1.4	22.8	74.9	425	18821	.0	1.1	6.5	35.5	58.1	279
TOT PCT	.1	.3	10	2.1	480 25.0	1383	1922	TOT PCT	.2	12	9.7	375 32.8	656 57.4	1142

TABLE 13

			DEDCI		COLLENC	V 05 B	4714	-	DITY B	V TEND		
,	TEMP	,							80-89		TOTAL	PCT
	70/	74	.0	.0	.0	.0	.0	.0	.0	. 1	1	.1
	65/		.0	.0	.0	.0	. 3	. 5	.1	.6	22	1.5
	60/	54	.0	.0	. 2	. 3	2.8	6.1	6.2	1.3	245	17.0
	55/	59	.0	.0	. 1	1.7	8.8	18.9	19.5	8.7	830	57.6
	50/	54	.0	.0	. 1	1.8	7.4	0.0	5.3	2.4	330	22.9
	45/	49	.0	.0	.0	. 1	.2	. 2	. 3	. 1	14	1.0
	TOT	AL	0	0	5	56	282	456	454	189	1442	100.0
	DC.	T	0			2 9	10.4	31 6	21 5	12 1		

TABLE 14

	PERC	ENT FR	EQUENCY	OF W	IND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	S	SW		NW	VAR	CALM
.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
. 2	.1	. 2		. 1	. 1	.4	.4	.0	.1
1.9	2.5	1.0	.1	.4	2.0	5.1	3.9	.0	. 1
4.2	5.8	4.1	3.0	3.5	10.5	18.0	7.9	.0	. 6
.6	. 4	. 7	2.0	5.4	8.0	3.8	1.6	.0	. 3
.0	.0	.0	. 1	.3	.4	.1	.1	.0	.0
6.9	8.9	6.0	5.3	9.7	21.0	27.3	13.8	.0	1.1
	.0 .2 1.9 4.2 .6	N NE .0 .0 .2 .1 1.9 2.5 4.2 5.8 .6 .4 .0 .0	N NE E .0 .0 .0 .2 .1 .2 1.9 2.5 1.0 4.2 5.8 4.1 .6 .4 .7 .0 .0 .0	N NE E SE .0 .0 .0 .1 .2 .1 .2 * 1.9 2.5 1.0 .1 4.2 5.8 4.1 3.0 .6 .4 .7 2.0 .0 .0 .0 .1	N NE E SE S .0 .0 .0 .1 .0 .2 .1 .2 * .1 1.9 2.5 1.0 .1 .4 4.2 5.8 4.1 3.0 3.5 .6 .4 .7 2.0 5.4 .0 .0 .0 .1 .3	N NE E SE S SM .0 .0 .0 .1 .0 .0 .2 .1 .2	N NE E SE S SM W .0 .0 .0 .1 .0 .0 .0 .2 .1 .2 * .1 .1 .4 1.9 2.5 1.0 .1 .4 2.0 5.1 4.2 5.8 4.1 3.0 3.5 10.5 18.0 .6 .4 .7 2.0 5.4 8.0 3.8 .0 .0 .0 .1 .3 .4 .1	N NE E SE S SW W NW .0 .0 .0 .1 .0 .0 .0 .0 .2 .1 .2	.0 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

TAPLE 15

	MEANS,	EXTREMES	AND	PERCEN	TILES	OF TEMP	(DE	G F) B	Y HOUR
HOUR (GMT)	MAX	998	95%	50%	5%	1%	MIN	MEAN	TOTAL
00803	70	66	53	57	51	49	46	57.1	721
06609	71	67	63	58	52	50	47	58.0	464
12615	69	66	62	56	51	49	48	56.3	647
18621	65	62	60	56	50	49	47	55.7	485
TOT	71	65	52	57	51	49	46	56.8	2317

	PERC	EN! FRE	UUENCY	UF KELA	I I VE H	DWIDILL	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	3.9	17.6	29.9	29.7	18.9	79	408
06609	.0	8.8	27.2	36.3	22.1	5.7	74	331
12615	.0	2.8	16.6	33.2	33.7	13.8	79	392
18621	.0	2.1	18.2	27.7	40.2	11.9	79	336
TOT	0	63	288	465	461	190	78	1467

SEPTEMBER

PERIOD: (PRIMARY) 1913-1970 (DVER-ALL) 1855-1970

TABLE 17

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PCT	FREQ OF AT	P	TEMPERATURE	(DEG	F)	AND	THE	OCCURRENCE	OF	FOG	(WITHOUT	PRECIPITATION)
			WE ATD	CEA	**	HDED	TIID	E DIFFERENCE		DEC I		

AIR-SEA	45	49	53	57	61	65	TOT	W	WO	
TMP DIF	48	52	56	60	64	68		FOG	FUG	
9/10	.0	.0	.1	.0	. 1	. 2	6	.0	. 4	
7/6	.0	.0	.0	. 1	. 3	. 2	9	. 1	.6	
6	.0	.0	.0	. 1	. 3	. 1	8 17	.0	.6	
6	.0	.0	.0	. 2	1.3	. 2	17	.0	1.2	
4	.0	.0	. 1	.6	1.3	. 1	30	. 1	2.0	
3	.0	.0	. 2	2.0	1.3	. 1	51	. 1	3.5	
2	.0	.0	.4	5.0	1.7	. 1	103	. 1	7.1	
1	.0	.0	.6	7.1	1.3	.0	128	. 1	8.8	
3 2 1	.0	. 2	2.4	9.9	1.1	. 1	197	. 1	13.7	
-1	.0	.1	4.2	6.5	. 8	.0	165	. 2	11.3	
-2	.0	. 3	5.5	4.4	. 6	.0	153	.1	10.6	
-3	.0	. 5	5.8	4.8	.1	.0	160	.0	11.2	
-4	.0	1.4	4.9	2.2	. 3	.0	125	.0	8.7	
-5	.0	2.0	3.8	1.1	.0	.0	98	. 1	6.8	
-6	.1	2.0	1.6	. 7	. 1	.0	64	.0	4.5	
-7/-8	. 1	1.9	2.1	. 7	:1	.0	70	. 1	4.8	
-9/-10	. 1	. 5	1.0	. 1	.0	.0	25	.0	1.7	
-11/-13	. 1	. 4	.7	.0	.0	.0	18	. 1	1.2	
-14/-16	. 1	.0	.1	.0	.0	.0	3	.0	. 2	
TOTAL	7		480		143			15	1415	
		132		650		18	1430		-	
PCT	. 5	9.2	33.6	45.5	10.0	1.3	100.0	1.0	99.0	

PERIOD: (QVER-ALL) 1963-1970

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) NE 22-33 .00 .00 .2 .4 .2 .00 .00 .00 .00 .00 .00 .00 11-21 1.1 1.5 .6 .0 .0 .0 .0 .0 .0 .0 .0 34-47 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
22-32-25
26-32
23-40
41-48
49-60
61-70
71-86
87+
TOT PCT 1-3 48+ PCT 11 1.5 2.11 1.7 ... 4.0 ... 0.0 .. 1-3 34-47 1-3

AREA 0016 ESPERANCE BAY S 35.45 120.6E

POT FRED DE WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (ET

				PC	T FREQ	DF WIND	SPEED	(KTS)	AND DIREC	CTION	VERSUS S	EA HEIG	HTS (FT)			
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.1	. 6	.0	.0	.0	.0	.7		• 1	.2	.0	.0	.0	.0	. 3	
1-2	.0	3.1	.6	.0	• 0	.0	3.7		.0	2.8	. 9	.0	.0	.0	3.7	
3-4	.0	1.4	1.9	.1	• 0	• 0	3.5		.0	1.6	3.7	.6	.0	.0	6.0	
5-6	.0	. 3	1.8	. 1	.0	• 0	2.3		.0		3.0	.6	. 1	.0	3.6	
7	.0	.0	.4	. 1	.0	.0	. 5		.0	.0	1.1	.7	. 2	.0	2.1	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.3	.6	. 4	.0	1.3	
10-11	.0	.0	.0	.0	.0	.0	.0		.)	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	. 1	• 0	• 0	. 1		.0	. 1	.0	. 2	.0	.0	.3	
13-16	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	. 3	.0	.0	.3	
17-19	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	. 1	.0	.0	. 1	
20-22	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0		.0		
23-25	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.5	.0	.5	
26-32	.0	.0	.0	.0	• 0	.0	.0		• 0	.0	.0	.0	.1	.0	. 1	
33-40	.0	.0	.0	.0	• 0	• 0	.0		• 0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	.0	.0		• 0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	• 0	.0		• 0	4.8	.0	.0	. 0	.0	.0	
TOT PCT	.1	5.4	4.7	.5	• 0	.0	10.7		• 1	4.0	9.0	3.2	1.5	.0	18.6	
				W								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1		1.1	.0	.0	.0	.0	1.2		• 1	.5	.0	.0	.0	.0	.6	
1-2	.0	4.0	2,9	.0	• 0	•0	6.9		• 1	2.4	1.0	.0	.0	.0	3.5	
3-4	.1	2.0	4.0	.6	• 0	•0	6.7		.0	1.3	2.5	.3	.0	.0	4.1	
5-6	.0	.6	6.0	.6	• 1	.0	7.3		.0	. 3	2.4	.4	.1	.0	3.3	
7	.0	.6	1.0	1.6	.4	• 0	3.6		.0	.0	. 9	.5	.1	.0	1.5	
8-9	.0	.1	.0	. 9	• 0	.0	1.0		.0	.0	. 3	. 2	.0	.0	.5	
10-11	.0	.0	.0	. 4	• 1	•0	.6		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.1	.0	.0	• 0	.1		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	. 1	.0	.0	. 1		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	• 1	.0	. 1		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	• 1	• 0	. 1		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 1	• 1	.3		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		• 0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		• 0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	8.4	14.0	4.2	1.1	• 1	28.1		. 3	4.5	7.1	1.4	. 3	.0	13.6	98.4

	WIND	SPEED	(KT5)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.0	2.7	.1	.0	.0	.0	5.8	DDS
1-2	.3	19.2	7.7	.0	.0	.0	27.2	
3-4	.1	9.8	16.6	1.6	.0	.0	28.1	
5-6	.0	1.9	16.7	2.5	.4	.0	21.6	
7	.0	.6	5.0	3.6	.7	.0	9.9	
8-9	.0	. 1	. 7	2.7	.4	.0	4.0	
10-11	.0	.0	.0	. 4	. 1	.0	.6	
12	.0	. 1	.3	.3	.0	.0	.7	
13-16	.0	.0	.0	. 7	.0	.0	. 7	
17-19	.0	.0	.0	.1	.0	.0	. 1	
20-22	.0	.0	.0	.0	. 1	.0	. 1	
23-25	.0	.0	.0	.0	.6	.0	.6	
25-32	.0	.0	.0	.0	.3	.1	. 4	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								676
TOT PCT	3.4	34.5	47.2	12.0	2.8	.1	100.0	

DCTOBER

PERIOD: (PRIMARY) 1912-1971 (DVER-ALL) 1854-1971

TABLE 1

AREA 0016 ESPERANCE BAY S 35.3S 120.6E

PERCENT	FREQUENCY	DF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION	

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FDG WD PCPN	FOG WO PCPN PAST HR	SMDKE HAZE		ND SIG WEA
N	1.3	2.5	.7	.0	.0	.0	.0	4.5	. 5	1.8	.7	.0	. 4	.0	92.8
NE	2.4	1.1	1.0	.0	.0	.0	.0	3.7	.5	1.2	. 7	.0	. 4	.0	94.1
E	4.5	1.9	3.2	.0	.0	.0	.0	9.6	1.1	1.9	1.2	.0	1.1	.0	85.2
SE	4.6	2.3	2.6	.0	.0	.0	.0	9.5	2.3	1.2	1.4	.0	3.0	.0	83.5
S	3.5	7.3	2.4	.0	.0	.0	.0	13.3	3.1	1.3	. 5	.0	. 3	.0	82.1
SW	2.8	13.3	.7	.0	.0	.0	. 3	17.0	2.4	.5	. 2	. 2	. 2	.0	79.5
W	5.2	11.2	2.6	.0	.0	.0	. 1	19.0	1.9	1.3	. 4	.2	.0	.0	77.6
NW	2.4	5.5	. 3	.0	• 0	.0	.0	8.1	2.9	1.6	1.8	.0	. 3	.0	85.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0	4.3	.0	87.0
TOT PCT TOT OBS:	3.5	7,4	1.7	•0	•0	.0	•1	12.5	1.9	1.2	.8	.1	.5	.0	83.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FLIG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SNO	
00603	3.9	8.5	.7	.0	.0	.0	.2	13.3	1.3	.2	.8	.0	.7	.0	83.9
90390	1.7	5.9	. 9	.0	.0	.0	.0	8.3	2.8	.0	1.3	.0	. 4	.0	87.1
12615	3.2	8.0	2.2	.0	.0	.0	. 2	13.6	1.1	2.2	. 6	.0	. 5	.0	82.8
18821	4.6	6.1	2.9	.0	.0	.0	.0	13.5	2.7	2.5	. 4	.4	. 2	.0	81.1
TOT PCT	3.4	7.3	1.7	.0	•0	.0	-1	12.3	1.9	1.2	. 8	.1	. 5	.0	83.6

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	IN SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.3	3.5	2.7	. 8		.0		7.3	12.2	10.4	10.6	5.5	7.2	3.8	6.5	6.9	7.7
NE	. 3	3.5	6.4	1.5	. 1	.0		11.9	14.4	12.2	9.6	15.3	7.7	11.3	11.3	14.9	11.4
E	. 4	3.4	3.9	.4		.0		8.2	12.3	6.3	5.7	8.5	5.5	11.9	9.9	9.4	6.0
SE	. 4	2.5	1.6	.3	.2	.0		5.1	12.0	5.1	4.3	5.3	3.7	5.2	5.0	6.2	5.5
\$.6	5.7	5.3	1.8		. 1		13.8	14.0	15.2	14.9	13.6	12.8	14.1	12.5	12.5	12.8
Sw	.6	5.6	7.9			.3		21.0	17.9	17.8	16.9	20.6	25.5	25.0	19.7		19.7
w	.7	7.2	7.9			.1		22.4	16.7	21.1	24.3	23.4	27.2	21.4	24.4	18.5	23.5
NW	.4	3.4	3.6			.0		8.9	13.4	10.9	12.6		9.4	6.1	8.7	7.4	10.5
VAR	.0	.0	.0			.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5
		•0	• 0	• •		• •							.9	1.2	2.0	1.8	2.7
CALM	1.5							1.5	0	1.2	1.1	1.5					
TOT DBS	152	1023	1155			14	2941		14.9	579	348	337	228	608	246	336	259
TOT PCT	5.2	34.8	39.3	16.3	4.0	. 5		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TARLE 34

		WIND	SPEED	(KNOTS)						HOUS	I COMT)
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						DBS	FREQ	SPD	03	09	15	21
N	1.6	3.9	1.6	.2	. 0		7.3	12.2	10.4	6.2	4.6	7.3
NE	1.5	5.6	4.3	.4	.0		11.9	14.4	11.2	12.2	11.3	13.4
E	1.7	4.1	2.3	. 1	.0		8.2	12.3	6.0	7.3	11.3	7.9
SE	1.2	2.8	.7	. 3	. 1		5.1	12.0	4.8	4.7	5.2	5.9
S	2.6	6.5	3.4	. 9	. 4		13.8	14.0	15.1	13.3	13.6	12.6
SW	2.3	7.8	7.1	3.0	.7		21.0	17.9	17.5	22.6	23.5	21.3
W	3.5	8.6	6.6	3.4	. 4		22.4	16.7	22.3	24.9	22.2	20.6
NW	1.8	4.2	2.3	.5	.0		8.9	13.4	11.5	7.6	6.9	8.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.5						1.5	.0	1.2	1.2	1.4	2.2
TOT DAS	522	1278	837	259	45	2941		14.9	927	565	854	595
TOT PCT	17-7	42.5	28.5	0.8	1.5		100.0			100.0		

-				

PERIOD: (PRIMARY) 1912-1971 (QVER-ALL) 1854-1971

TABLE 4

AREA 0016 ESPERANCE BAY S 35.35 120.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DBS
00803	1.2	3.6	32.9	41.1	16.4	4.4	.4	15.1	100.0	927
90300	1.2	3.0	32.4	39.8	18.8	4.4	.4		100.0	565
12615	1.4	3.9	37.6	37.6	15.3	3.7	.5	14.4	100.0	854
18821	2.2	4.4	36.0	38.3	15.1	3.4	. 7	14.3	100.0	595
TOT	43	109	1023	1155	479	118	14	14.9		2941
PCT	1.5	3.7	34.8	39.3	16.3	4.0	. 5		100.0	

TABLE 5

P	CT FRE	Q DF T	DTAL C	LOUD A	MOUNT (EIGHTHS)			PERCEN	TAGE F	REQUEN	CY DF	CEILIN	G HEIG	HTS (T,NH	24/81	
		В	Y WIND	DIREC	TION					AND DC	CURREN	CE DF	NH <5/	8 BY W	IND D	RECTIO	DN NC	
						MEAN												
WILD DIR	0-2	3-4	5-7	3 8	TOTAL	CFOND	000	150	300	600	1000	2000	3500	5000		8000+	NH <5/8	
				OBSCO	OBS	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	DBS
N	2.7	.7	2.7	. 8		4.1	.0	.0	.0	. 4	.9	.3	.4	.3	.0	. 1	4.6	
NE	5.0	2.5	4.7	1.9		4.0	.0	.0	.0	. 9	1.5	1.1	. 3	. 2	.0	. 1	9.9	
E	2.0	1.0	3.9	2.9		5.4	.0	.0	. 2	. 5	2.4	. 9	. 7	.6	. 1	. 2	4.1	
SE	. 6	. 9	2.5	2.0		5.8	.0	.0	. 1	. 8	1.3	. 5	. 3	. 3	. 2	.0	2.6	
S	1.8	2.8	6.1	4.0		5.5	.0	.0	. 1	1.6	2.9	2.0	1.2	. 2	.0	. 4	6.4	
SW	4.1	4.1	9.0	4.1		5.0	.0	.0	. 1	2.0	4.2	2.0	1.2	.6	.0		11.2	
W	4.9	3.0	7.3	3.3		4.6	.1	.0	.4	1.3	2.5	1.6	. 8	.7	.2	.1	10.8	
NW	2.6	. 9	2.4	1.6		4.4	.1	.0	. 1	. 2	1.4	. 5	. 3	. 2	.0	. 1	4.6	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7	. 2	.2	.2		3.5	.0	.0	. 1	. 1	. 1	. 1	.0	.0	.0	. 1	. 9	
TUT OBS	293	193	467	250	1203	4.8	2	0	12	94	206	109	63	38	5	12	662	1203
TOT PCT	24.4	15.0	38.8	20.8	100.0		.2	.0	1.0	7.8	17.1	9.1	5.2	3.2	. 4	1.0	55.0	100.0

TABLE 7

CUMULATIVE PCT FREQ DF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM	()			
C	EILING	- OR	• UR	- DR	= OR	- DR	= DR	• DR	• DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
- OR	>6500	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
- OR	>5000	3.8	4.6	4.6	4.6	4.6	4.6	4.6	4.6
. OR	>3500	7.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
- OR	>2000	14.4	18.3	18.7	18.7	18.7	18.7	18.7	18.7
. OR	>1000	28.0	34.1	35.4	35.5	35.5	35.5	35.5	35.6
- OR	>600	32.9	41.4	43.3	43.3	43.3	43.3	43.3	43.4
• OR	>300	33.4	42.2	44.2	44.3	44.3	44.3	44.3	44.4
- GR	>150	33.4	42.2	44.2	44.3	44.3	44.3	44.3	44.4
. DR	> 0	33.5	42.4	44.4	44.5	44.5	44.5	44.5	44.6
	TOTAL	412	521	546	547	547	547	547	548

TOTAL NUMBER OF OBS: 1230 PCT FREO NH 45/81 55.4

TABLE 74

PERCENTAGE FREU OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	DBSCD	DBS
12.0	10.8	11.4	10.7	9.3	6.6	9.8	12.9	16.4	.1	1370

-	-	+	n	n	-	D	

								no	TOBER					
PERIOD: (PRI	MARY) 19 R-ALL) 19	912-1971 854-1971		*				TA	BLE 8				ARE	EA 0016 ESPERANCE BAY S 35.35 120.6E
			P	ERCENT					VS DCC					E DF
	VSBY (NM)		N	NE	E	SE	5	Sw	W	NW	VAR	CALM	PCT	TOTAL
		PCP	.0	.0	.0	.0	.0		.0	.0	.0	.0	*	
	<1/2	NO PCP	.0	.0	.0		.1	.0		.0	.0	.0	. 1	
		TOT %	• 0	.0	.0	*	• 1			.0	.0	.0	. 2	
		PCP	.0	.0		.0	.0	.0	.0		.0	.0	. 1	
	1/2<1	NO PCP	*	:	. 1	*	.0	. 1	:	.1	.0	.0	. 4	
		TOT %			.1	*	.0	.1		. 1	.0	.0	. 5	
		PCP	.0	.0	.0	.0			.0	.0	.0	.0	. 1	
	1<2	NO PCP		.0	.0	.1	.0	.0	.0	*	.0	*	. 2	
		TOT %	*	.0	.0	. 1			.0		.0	*	.3	
		PCP		.0	. 1	.1	• 1	. 1	. 2	. 1	.0	.0	. 8	
	2<5	NO PCP	.0		.0	.1	• 1	. 3	.3	.0	.0	.0	.6	
		TOT %	*	*	. 1	.2	. 2	.5	.3	. 1	.0	.0	1.4	
		PCP	• 1	.4	.6	.4	1.3	2.9	3.3	.3	.0	.0		
	5<10	NO PCP	2.1	3.2	1.8	1.1	4.2	6.1	7.2	2.4	.0	. 1	28.1	
		TOT *	2.2	3.5	2.4	1.5	5.5	9.0	10.5	2.7	.0	. 1	37.4	
		PCP	• 1	• 1	. 1	.0	. 5	.6	.7	. 1	.0	.0	2.3	
	10+	NO PCP	4.2	8.7	6.1	3.3	7.8	11.4	10.7	4.9	.0	.9	57.9	
		TOT %	4.3	8 . 8	6.2	3.3	8.3	12.1	11.4	5.0	.0	. 9	60.2	
		TOT OBS												2114
		TOT PCT	4.4	12.4	A.A	5.1	14.0	21.7	22.2	8.0	- 0	1.1	100.0	

TABLE 9 PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	• 0	.0	*	*	.0		.0	.0		. 1	
2.50	11-21	.0	.0	.0	.0	*	.0	.0	.0	.0			
	22+	.0	.0	.0	.0	.0	*	.0	.0	.0			
	TOT %	.0	.0	.0	*	.1	*		.0	.0	.0	. 2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10		.0	.0	.0	.0	.0	.0		.0			
	11-21	.0	.0		*	.0		*	.1	.0		.3	
	22+	*		.1	.0	.0		.0		.0		. 2	
	TOT %	*		. 1	*	.0	. 1		. 1	.0	.0	.2	
	0-3	.0	•0	.0	.0	.0	.0	.0	.0	.0			
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21		.0	.0		*	.0	.0		.0		.1	
	22+	.0	.0	.0		.0	*	.0	.0	.0		.1	
	TOT %		.0	.0	.1	*		.0		.0		.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
245	4-10	.0	.0		*		.1	. 1		.0		. 2	
	11-21	*		. 1	*	.0	. 1		. 1	.0		.4	
	22+	.0	.0	.0	.1	. 1	.3	. 2	.0	.0		. 7	
	TOT %			. 1	. 1	. 1	. 4	. 2	- 1	.0	.0	.2 .4 .7 1.3	
	0-3		• 1	. 2	.1	.2	. 1	.3	. 1	.0	.1	1.3	
5<10	4-10	1.0	1.2	1.1	.5	1.8	1.6	2.3	1.1	.0		10.7	
	11-21	. 8	1.7	. 8	. 4	2.1	3.1	3.3	. 9	.0		13.1	
	22+	. 3	.4	. 2	. 4	1.0	3.6	4.0	. 5	.0		10.4	
	TOT %	2.1	3.5	2.3	1.5	5.0	8.4	9.9	2.6	.0	.1	35.4	
	0-3	. 3	. 2	. 1	.3	.4	.4	. 5	. 2	.0	1.0	3.5	
10+	4-10	2.0	2.3	2.2	1.9	3.7	4.2	4.8	2.2	.0		23.2	
	11-21	1.7	5.2	3.7	1.0	3.3	4.7	4.5	2.3	.0		26.4	
	22+	.5	1.2	.3	. 1	1.1	2.9	2.5	.7	.0		9.2	
	TOT \$	4.5	8.9	6.3	3.4	8.6	12.1	12.3	5.3	.0	1.0	62.3	
	OT DAS												2288
1	OT PCT	6.7	12.4	8.8	5.1	13.9	21.2	22.6	8.2	.0	1.2	100.0	

PERIOD: (PRIMARY) 1912-1971 (DVEK-ALL) 1854-1971

TABLE 10

AREA 0016 ESPERANCE BAY S 35.35 120.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND DCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600 999	1000 1 999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00603	.0	.0	1.6	8.7	18.6	10.3	5.1	2.9	.6	1.3	49.2	50.8	311	
05809	.0	.0	.6	6.7	14.6	6.1	4.9	2.7	. 3	.9	36.8	63.2	329	
17615	.0	.0	.6	6.6	14.9	8.4	3.0	4.2	.3	1.5	39.4	60.6	335	
18821	.6	.0	. 9	7.9	16.5	9.5	7.0	1.9	. 3	. 3	44.9	55.1	316	
TOT PCT	.2	.0	12	96 7.4	208	110 8.5	5.0	38	.4	13	548 42.4	743 57.6	1291	

TABLE 11

TABLE 12

								CUMULAT	IVE PCT	FREQ	OF RAN	GES OF	VSBY (NM)	AND/DR
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR			CEILIN	G HGT	(FEET,	NH >4/8), BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ 4ND5+	NH <5/8 AND 5+	TOTAL
00803	. 3	.7	• 3	1.3	36.5	60.8	669	60300	.0	1.7	13.0	37.9	49.2	301
90360	. 4	.6	.4	2.1	27.8	68.7	486	06609	.3	1.0	10.0	28.9	61.1	311
12615	.0	.6	• 1	.9	40.6	57.8	687	12615	.0	.6	8.2	33.3	58.5	318
18821	.0	.0	•2	1.0	34.8	64.0	503	18621	.7	1.7	11.0	36.3	52.7	300
TOT PCT	.2	12	6	30 1.3	833	1460	2345	TOT	.2	15	129	419 34.1	682 55.4	1230

TABLE 13

TABLE 14

PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	T.T.1	Det		PERC	ENT FR	EQUENC	Y DF	IND DI	RECTIO	N BY T	EMP	
0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	5	SW	W	NW	VAR	CALM
.0	.0	.0	. 1	.0	. 1	.1	.0	3	. 2	.0	.0	.0	. 1	.0	.0	.0	. 1	.0	.1
.0	.0	.0	. 3	. 5	1.2	. 3	. 2	41	2.5	- 1	.4	. 5	. 2	*	. 2	. 7	. 2	.0	. 2
.0	.1	. 1	. 9	3.3	6.6	9.9	3.2	389	23.8	3.0	5.1	2.7	. 8	1.3	3.0	5.3	2.3	.0	. 2
.0	.0	.2	1.9	9.2	18.0	18.4	8.5	917	56.	3.3	6.2	5.1	3.0	7.6	13.3	12.5	4.6	.0	.6
.0	.0	.0	1.2	4.4	3.7	5.5	2.1	276	16.9	.3	. 5	. 4	1.2	4.9	6.1	2.8	.5	.0	. 2
.0	.0	.0	.0	. 1	.0	. 2	. 2	7	.4	.0	.0	.0	.0	.0	2	. 2	.0	.0	.0
0	1	4	69	285	482	560	232	1633	100.0										
.0	.1	. 2	4.2	17.5	29.5	34.3	14.2			6.8	12.2	8.7	5.3	13.9	22.8	21.5	7.7	.0	1.2
	0-29 .0 .0 .0 .0	0-29 30-39 .0 .0 .0 .0 .0 .1 .0 .0 .0 .0 .0 .0	0-29 30-39 40-49 .0 .0 .0 .0 .0 .1 .1 .0 .0 .0 .0 .1 .1 .0 .0 .0 .0 .1 .4	0-29 30-39 40-49 50-59 .0 .0 .0 .1 .1 .4 .4 .0 .0 .0 .2 .1 .9 .0 .0 .0 .1 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-29 30-39 40-49 50-59 60-69 .0 .0 .0 .1 .0 .0 .0 .0 .3 .5 .0 .1 .1 .4 3.3 .0 .0 .2 1.9 9.2 .0 .0 .0 .1 .2 4.4 .0 .0 .0 .0 .0 2 285	0-29 30-39 40-49 50-59 60-69 70-79 .0 .0 .0 .1 .0 .1 .0 .0 .0 .3 .5 1.2 .0 .1 .1 .4 3.3 6.6 .0 .0 .2 1.9 9.2 18.0 .0 .0 .0 .0 1.2 4.4 3.7 .0 .0 .0 .0 .0 .1 .0 .0 .0 .0 .1 .0 .0 .0 .0 .1 .0 .0 .0 .0 .1 .0 .0 .0 .0 .1 .0 .0 .0 .0 .1	0-29 30-39 40-49 50-59 60-69 70-79 80-89 .0 .0 .0 .1 .0 .1 .1 .1 .0 .0 .0 .3 .5 1.2 .3 .0 .1 .1 .4 3.3 6.6 9.9 .0 .0 .2 1.9 9.2 18.0 18.4 .0 .0 .0 .1 .2 4.4 3.7 5.5 .0 .0 .0 .0 .1 .0 .2 .4 .4 3.7 5.5 .0 .1 4 69 285 482 560	.0 .0 .0 .1 .0 .1 .1 .0 .2 .3 .2 .0 .1 .1 .4 .3 .5 1.2 .3 .2 .0 .1 .1 .1 .0 .2 .3 .2 .2 .0 .1 .1 .1 .4 .3 .3 .6 .6 .9 .9 .3 .2 .0 .0 .0 .2 .1 .9 .9 .2 18.0 18.4 8 .5 .0 .0 .0 .0 1.2 4 .4 3 .7 5 .5 2 .1 .0 .0 .0 .0 .0 .1 .0 .2 .2 .2 .0 .1 .0 .2 .2 .2 .0 .1 .4 .6 .285 482 560 232	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS .0 .0 .0 .1 .0 .1 .1 .0 .3 .2 41 .0 .1 .1 .0 .3 .2 41 .0 .1 .1 .4 3.3 6.6 9.9 3.2 389 .0 .0 .2 1.9 9.2 18.0 18.4 8.5 917 .0 .0 .0 .1 .1 .4 3.7 5.5 2.1 276 .0 .0 .0 .0 .1 .2 4.4 3.7 5.5 2.1 276 .0 .0 .0 .0 .1 .1 .0 .2 .2 .7 .0 .1 4 69 285 482 560 232 1033	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS FREQ .0 .0 .0 .1 .0 .1 .1 .0 .3 .2 .41 2.5 .0 .1 .1 .4 3.3 6.6 9.9 3.2 389 23.8 .0 .0 .2 1.9 9.2 18.0 18.4 8.5 917 56.2 .0 .0 .0 .0 1.2 4.4 3.7 5.5 2.1 276 16.9 .0 .0 .0 .0 .1 .1 .0 .2 .2 7 .4 .0 .1 4 69 285 482 560 232 1633 100.0	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 085 FREQ N .0 .0 .0 .1 .0 .1 .1 .0 3 .2 .0 .0 .0 .0 .3 .5 1.2 .3 .2 41 2.5 .1 .0 .1 .1 .4 3.3 6.6 9.9 3.2 389 23.8 3.0 .0 .0 .2 1.9 9.2 18.0 18.4 8.5 917 56.2 3.3 .0 .0 .0 .1 .2 4.4 3.7 5.5 2.1 276 16.9 .3 .0 .0 .0 .1 .1 .0 .2 .7 7 .4 .0 0 1 4 69 285 482 560 232 1633 100.0	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 085 FREQ N NE .0 .0 .0 .1 .0 .1 .1 .0 .3 .2 .0 .0 .0 .0 .0 .3 .5 1.2 .3 .2 .41 2.5 .1 .4 .0 .1 .1 .4 3.3 6.6 9.9 3.2 389 23.8 3.0 5.1 .0 .0 .2 1.9 9.2 18.0 18.4 8.5 917 56.4 3.3 6.2 .0 .0 .0 .1 .2 4.4 3.7 5.5 2.1 276 16.9 .3 .5 .0 .0 .0 .0 .1 .2 4.4 5.7 5.5 2.1 276 16.9 .3 .5 .0 .0 .0 .0 .1 .2 6.9 82 682 560 232 1633 100.0	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 085 FREQ N NE E .0 .0 .0 .1 .0 .1 .1 .0 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .4 .5 .5 .1 .4 .5 .5 .1 .4 .5 .5 .1 .4 .5 .5 .1 .4 .5 .5 .1 .4 .5 .5 .1 .4 .5 .5 .1 .4 .5 .5 .1 .4 .5 .5 .1 .4 .5 .5 .1 .4 .5 .5 .1 .4 .5 .5 .1 .5 .5 .1 .5 .5 .1 .5 .5 .5 .1 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 085 FREQ N NE E SE .0 .0 .0 .0 .1 .0 .1 .1 .0 .3 .2 .0 .0 .0 .1 .4 .5 .2 .0 .0 .0 .1 .4 .5 .2 .0 .0 .0 .1 .4 .5 .2 .0 .0 .0 .1 .1 .4 .5 .2 .0 .0 .0 .1 .1 .4 .5 .2 .0 .0 .0 .1 .1 .4 .5 .2 .0 .0 .0 .2 .1 .9 9.2 18.0 18.4 8.5 917 56.4 3.3 6.2 5.1 3.0 .0 .0 .0 .0 .1 .2 4.4 3.7 5.5 2.1 276 16.9 .3 .5 .4 1.2 .0 .0 .0 .0 .0 .0 .1 .0 .2 .2 .7 .4 .0 .0 .0 .0 .0 .0 .0 .1 .4 .69 285 482 560 232 1633 100.0	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS FREQ N NE E SE S .0 .0 .0 .0 .1 .0 .1 .1 .0 .3 .2 .0 .0 .0 .1 .0 .0 .0 .0 .1 .0 .0 .0 .0 .0 .1 .4 .5 .2 * .0 .1 .1 .4 3.3 6.6 9.9 3.2 349 23.8 3.0 5.1 2.7 .8 1.3 .0 .0 .0 .2 1.9 9.2 18.0 18.4 8.5 917 56.8 3.3 6.2 5.1 3.0 7.6 .0 .0 .0 .0 1.2 4.4 3.7 5.5 2.1 276 16.9 3.3 6.2 5.1 3.0 7.6 .0 .0 .0 .0 .1 .0 .2 .2 7 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ N NE E SE S SW .0 .0 .0 .1 .0 .1 .1 .0 .3 .2 .0 .0 .0 .1 .0 .0 .0 .0 .0 .3 .5 1.2 .3 .2 41 2.5 .1 .4 .5 .2 * .2 .0 .1 .1 .4 3.3 6.6 9.9 3.2 389 23.8 3.0 5.1 2.7 .8 1.3 3.0 .0 .0 .2 1.9 9.2 18.0 18.4 8.5 917 56.8 3.3 6.2 5.1 3.0 7.6 13.3 .0 .0 .0 .0 1.2 4.4 3.7 5.5 2.1 276 16.9 3 .5 .4 1.2 4.9 6.1 .0 .0 .0 .0 .1 .0 .2 .2 7 .4 .0 .0 .0 .0 .0 .2 0 1 4 69 285 482 560 232 1633 100.0	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ N NE E SE S SW W .0 .0 .0 .1 .0 .1 .1 .0 .3 .2 .0 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ N NE E SE S SW W NW .0 .0 .0 .1 .0 .1 .1 .0 .3 .2 .0 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ N NE E SE S SW W NW VAR .0 .0 .0 .1 .0 .1 .1 .0 .3 .2 .0 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	UF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	84 HDU	2
HOUR (GMT)	MAX	99%	95%	50%	54	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	74	67	64	58	52	50	47	58.0	910	00803	.0	5.3	20.9	30.6	30.6	12.5	77	454
06609	70	67	55	59	53	51	49	59.1	562	90300	.0	6.5	20.5	34.1	30.8	6.1	76	370
12615	73	65	53	57	52	50	48	57.0	860	12815	.0	1.3	14.5	29.3	40.5	14.3	80	467
18821	66	63	61	56	51	49	47	56.3	604	18821	.0	5.7	14.1	23.2	35.5	21.4	80	383
TOT	74	66	63	58	52	50	47	57.6	2936	TOT	0	76	293	491	578	236	78	1574

OCTUBER

PERIOD: (PRIMARY) 1912-1971 (OVER-ALL) 1854-1971

TABLE 17

AREA 0016 ESPERANCE BAY S 35.35 120.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE DCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	45	49 52	53 56	57	61	65	69	TOT	W FOG	WD FOG
IMP DIF	40	26	50	00	04	00	12		FUG	100
11/13			0	.0	.1	.0	.0	2	•	,
9/10	.0	.0	.0		.0	. 1		4	.0	.1
	.0	.0	.0	.0	.2	• 1	. 1	9	.0	
7/8	.0	.0	.0	- 1	• 4	. 2	.0		.0	.5
6	.0	.0	.0	. 2	. 1	. 4	.0	12	.0	.6
5	.0	.0	.0	. 2	.6	.4	.0	23	.0	1.2
4	.0	.0	. 1	. 5	1.5	. 2	.0	41	.0	2.2
4 3	.0	.0	. 3	1.7	2.3	. 3	.0	85	.0	4.6
1 0	.0	.0	.4	3.3	2.7	. 4	.0	126	. 1	6.8
1	.0	.0	. 5	6.1	2.1	. 2	.0	164	. 1	8.8
0	.0	.0	1.7	9.7	2.3	. 1	.0	255	. 4	13.4
-1	.0	. 1	4.1	9.2	1.6	.0	.0	276	. 1	14.8
-2	.0	. 2	6.2	5.8	. 3	.0	.0	232	. 1	12.4
-3	.0	. 3	6.5	3.8	. 3	.0	.0	201	. 1	10.8
-4	.0	. 5	4.2	2.4	. 4	.0	.0	139	. 2	7.3
-5	.0	1.0	3.0	. 8	. 1	.0	.0	91	.0	4.9
-6	. 1	1.4	2.2	. 5	.0	.0	.0	76	.0	4.1
-7/-8	.0	1.5	2.2	.6	. 1	.0	.0	80	.0	4.3
-9/-10	.0	. 4	. 7	.0	.0	.0	.0	20	.0	1.1
-11/-13	.0	. 5	. 2	.0	.0	.0	.0	13	.0	.7
-14/-16	.0	. 1	.0	.0	.0	.0	.0	2	.0	. 1
TOTAL	1		593		271		2		17	1834
		111	-	832		41	-	1651		
PCT	. 1	6.0	32.0	44.9	14.6	2.2	. 1	100.0	. 9	99.1

PERIOD: (GVER-ALL) 1963-1971

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 22 23-25 26-32 33-40 61-70 71-86 87+ TOT PCT 1-3 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87-17 PCT 34-47 11-21 1-3 11-21 .0 .6 2.1 1.7 1.2 .6 .0 .0 .0 .0 .0 .0 27-33

OCTOBER TABLE 18 (CONT)

AREA 0016 ESPERANCE BAY S 35.35 120.6E

				PC	T FRED I	F WIND	SPEED (KTS) AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)			
				S							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	. 1	. 2	.0	.0	• 0	.0	. 3	. 2	. 4	.0	.0	.0	.0	.6	
1-2	. 3	3.0	.5	.0	.0	.0	3.8	.7	2.4	.2	.0	.0	.0	3.2	
3-4	.0	1.7	1.6	.1	• 0	• 0	3.4	•	1.9	2.6	. 8	.0	.0	5.4	
5-6	.0	. 1	1.3	.7	.0	.0	2.2	.0	. 7	1.5	. 9	.0	.0	3.1	
7	.0	. 1	1.5	1.1	• 0	• 0	2.8	.0		2.2	. 3	.0	.0	2.6	
8-9	.0	.0	.1	.4	• 1	.0	.7	.0	. 2	.4	.7	. 2	.0	1.4	
10-11	.0	.0	.0	.5	. 3	• 0	. 8	.0	.0	. 5	.8	.0	.0	1.3	
12	.0	.0	.2	.0	.0	• 0	. 2	.0	. 2	.0	.7	.0	.0	. 8	
13-16	.0	.0	.0	.0	.2	.0	. 2	.0	.0	. 2	. 2	.0	.0	.4	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5	. 2	.0	.6	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.0	.2	
23-25	.0	.0	.0	.0	.1	• 0	. 1	•0	.0	.0	.0	.2	.0	. 2	
33-40	.0	.0	.0	.0	.2	• 1	.3	.0	.0	.0	.0	. 3	. 7	1.0	
41-48	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	•0	.0	.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
87+		.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	5.1	5.2	2.9	.9	•0	14.6	.9	5.7	7.5	4.9	1.0	.7	20.7	
						•••	14.0								
			11-21	W 22-33	34-47		PCT	1-3	4-10	11-21	NW 22-33	34-47	48+	PCT	TOTAL
HGT <1	1-3	4-10									22-33				PCI
						48+					-				
	. 5	.6	.0	.0	.0	.0	1.0	.0	. 2	.0	.0	.0	.0	. 2	
1-2	.4	3.3	.0	.0	.0	.0	1.0	.0	1.8	.0	.0	.0	.0	2.0	
1-2	.4	3.3	.0 .2 2.5	.0	•0	.0	1.0 3.8 5.0	.0 .0	1.8	.0 .2 1.7	.0	.0	.0	2.0	
1-2 3-4 5-6	.4	3.3 2.3	.0 .2 2.5 1.3	.0	.0 .0 .0	.0	1.0 3.8 5.0 2.1	.0 .0 .0	1.8 .3	.0 .2 1.7 1.6	.0	.0	.0	2.0 2.0 1.6	
1-2 3-4 5-6 7	.4	3.3 2.3 .5	.0 .2 2.5 1.3	.0	.0	.0	1.0 3.8 5.0 2.1 1.6	.0	1.8 .3 .0	1.7 1.6	.0	.0	.0	2.0 2.0 1.6	
1-2 3-4 5-6 7 8-9	.4	3.3 2.3 .5	.0 .2 2.5 1.3 1.4	.0	.0	.0	1.0 3.8 5.0 2.1 1.6	.0	.2 1.8 .3 .0	1.7 1.6	.0	.0	.0	.2 2.0 2.0 1.6 1.1	
1-2 3-4 5-6 7 8-9 10-11	.4	3.3 2.3 .5 .2	2.5 1.3 1.4	.0	.0	.0 .0 .0	1.0 3.8 5.0 2.1 1.6	.0	1.8 .3 .0 .2	1.7 1.6 .4	.0	.0	.0	2.0 2.0 1.6 1.1 .2	
1-2 3-4 5-6 7 8-9 10-11	.4	3.3 2.3 .5 .2 .0	2.5 1.3 1.4 .3	.0	.0	.0	1.0 3.8 5.0 2.1 1.6 .8	.0	1.8	1.7 1.6 .4 .2	.0	.0	.0	2 2.0 2.0 1.6 1.1 .2 .2	
1-2 3-4 5-6 7 8-9 10-11 12 13-16	.4	3.3 2.3 .5 .2 .0	.0 .2 2.5 1.3 1.4 .3 .0	.0 .0 .3 .3 .5 .0	.0	.0	1.0 3.8 5.0 2.1 1.6 .8 .0	.0	1.8 .3 .0 .2 .0	1.7 1.6 .4 .2 .2	.0	.0	.0	2.0 2.0 1.6 1.1 .2 .2	
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19	.4	3.3 2.3 .5 .0 .0	.0 .2 2.5 1.3 1.4 .3 .0	.0 .0 .3 .3 .5 .0	.0	.0	1.0 3.8 5.0 2.1 1.6 .8 .0	.0	.2 1.8 .3 .0 .2 .0 .0	.0 .2 1.7 1.6 .4 .2 .2	.0	.0	.0	2 2.0 2.0 1.6 1.1 .2 .2 .0	
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	.4	3.3 2.3 .5 .2 .0 .0	.0 .2 2.5 1.3 1.4 .3 .0	.0 .0 .3 .3 .5 .0 .1 .1 .0 .0	.0	.0	1.0 3.8 5.0 2.1 1.6 .8 .0	.0	.2 1.8 .3 .0 .2 .0 .0 .0	.0 .2 1.7 1.6 .4 .2 .2	.0	.0	.00.00	2 2.0 2.0 1.6 1.1 .2 .2 .0 .0	
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.4	3.3	2.5 1.3 1.4 .3 .0	.0 .0 .3 .3 .5 .0 .1 .1 .0 .0 .0	.0	.0	1.0 3.8 5.0 2.1 1.6 .8 .0 .1	.0	.2 1.8 .3 .0 .2 .0 .0 .0 .0 .0 .0 .0 .0	1.7 1.6 .4 .2 .0 .0	.00.00	.0	.00000000000000000000000000000000000000	2 2.0 2.0 1.6 1.1 .2 .2 .0 .0	
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.4	3.3 2.3 5 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 . 5 1 . 3 1 . 4 . 3 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0	.0 .0 .0 .3 .3 .5 .0 .1 .1 .0 .0 .0 .2	.0	.0	1.0 3.8 5.0 2.1 1.6 .8 .0 .1	.0	.2 1.8 .3 .0 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.7 1.6 4 2.2 .0 .0	.00.00	.00000000000000000000000000000000000000	.00000000000000000000000000000000000000	2 2.0 2.0 1.6 1.1 .2 .2 .0 .0	
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	.4	3.3 2.3 5.5 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2 2 .5 1 .3 1 .4 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0 .0 .3 .3 .5 .0 .0 .1 .1 .0 .0 .0 .0 .2 .0	.0	.0	1.0 3.8 5.0 2.1 1.6 .8 .0 .1 .3 .0	.0	.2 1.8 .3 .0 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .2 1.7 1.6 .4 .2 .0 .0 .0	000000000000000000000000000000000000000		.00000000000000000000000000000000000000	2 2.0 2.0 1.6 1.1 .2 .0 .0 .0	
1-2 3-4 5-6 7 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48	.4 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	3.33	2 2 . 5 1 . 3 1 . 4	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	.0	.0	1.0 3.8 5.0 2.1 1.6 .8 .0 .1 .3 .0 .0	.0	.2 1.8 .3 .0 .0 .0 .0 .0	.0 .2 1.7 1.6 .4 .2 .2 .0 .0 .0	000000000000000000000000000000000000000		.00000000000000000000000000000000000000	2 2.0 2.0 1.6 1.1 .2 .2 .0 .0 .0	
1-2 3-4 5-6 7 8-9 10-11 12 13-10 17-19 20-22 23-25 23-25 24-32 33-40 41-48 49-60	.4	.63.332.33.552.00.00.00.00.00.00.00.00.00.00.00.00.00	.0 .2 2 .5 1 .3 1 .4 .3 .0 .0 .0 .0	.00.00.00.00.00.00.00.00.00.00.00.00.00	.0	.0	1.0 3.8 5.0 2.1 1.6 .8 .0 .1 .3 .0 .0 .0	.0	.2 1.8 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.7 1.6 .4 .2 .2 .0 .0 .0	000000000000000000000000000000000000000		000000000000000000000000000000000000000	.2 2.0 2.0 1.6 1.1 .2 .2 .0 .0 .0	
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.4 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.6 3.3 2.3 .5 2.0 .0 .0 .0	.0 .2 2.5 1.3 1.4 .3 .0 .0 .0 .0	.0 .0 .3 .3 .5 .0 .1 .1	.0	.0	1.0 3.8 5.0 2.1 1.6 .8 .0 .1 .0 .0 .0 .0	.0	.2 1.8 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .2 .1.7 1.6 .4 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	000000000000000000000000000000000000000			.2 2.0 2.0 1.6 1.1 .2 .2 .0 .0 .0 .0	
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 49-60 61-70 71-86	.4 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	3.3 2.3 5 .2 .0 .0 .0 .0 .0	.0 .2 2.5 1.3 1.4 .3 .0 .0 .0	.0 .0 .0 .3 .3 .5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0		1.0 3.8 5.0 2.1 1.8 .8 .0 .1 .3 .0 .0 .0 .0 .0	.00	2 1.8 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .2 .1.7 1.6 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00.00	000000000000000000000000000000000000000	000000000000000000000000000000000000000	2 2.0 2.0 1.6 1.1 2 .2 .0 .0 .0 .0 .0	
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.4 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.6 3.3 2.3 .5 2.0 .0 .0 .0	.0 .2 2.5 1.3 1.4 .3 .0 .0 .0 .0	.0 .0 .3 .3 .5 .0 .1 .1	.0	.0	1.0 3.8 5.0 2.1 1.6 .8 .0 .1 .0 .0 .0 .0	.0	.2 1.8 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .2 .1.7 1.6 .4 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	000000000000000000000000000000000000000			.2 2.0 2.0 1.6 1.1 .2 .2 .0 .0 .0 .0	98.1

	WIND	SPEFD	(KTS)	V5 SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.0	2.6	.2	.0	.0	.0	6.8	003
1-2	2.3	17.5	2.6	.0		.0	22.5	
3-4	.6	9.0	17.2	1.4	.0	.0	28.3	
5-6	.0	1.7	13.0	2.5	.0	.0	17.2	
7	.0	. 5	8.5	3.9		.0	13.0	
8-9	.0	. 2	1.7	2.0		.0	4.2	
10-11	. 2	.0	.6	1.2		.0	2.5	
12	.0	.2	. 2	1.1	.0	.0	1.4	
13-16	.0	.0	. 3	.6	. 5	.0	1.4	
17-19	.0	.0	.0	.6	. 2	.0	. 8	
20-22	.0	.0	.0	.0	. 2	.0	. 2	
23-25	.0	.0	.0	.0	. 3	.0	. 3	
26-32	.0	.0	.0	. 2	. 5	. 8	1.4	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								644
TOT PCT	7.1	31.7	44.4	13.5	2.5	. 8	100.0	

PER 100	: tov	ER-ALL	194	9-1971					TABLE	19											
					PERCENT	FRE	PUENCY	OF WA	VE HEI	HT (F	r) vs	WAVE PE	ERIDD	(SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
6-7	.6	4.3	6.5	3.8	5.1	3.6	1.1	1.2	1.3	.0	.0	.0	.0		.0	.0	.0	.0	.0	202	4 7
10-11	.0	.2	. 8	3.0	1.0	3.9	3.7	1.2	1.8	.8	.0	.2	. 2	.0	.0	.0	.0	.0	.0	221	9
12-13	.0	.0	.1	.3	.6	1.4	1.5	1.0	2.1	.1	. 2	.1	:1		.0	.0	.0	.0	.0	75 33	11
INDET	.8	.8	1.3	1.2	1.4	1.2	. 8	.9	.7	.5	.1	.2	.0		.0	.0	.0	.0	.0	99	7 8
PCT	1.4	5.4	12.0	16.5	17.0	14.4	12.5	6.8	9.1	1.7	. 9	.7	1.5	.0	.0	. 0	.0	.0	.0	100.5	

NOVEMBER

PERIND:	(PRIMARY)	1912-1969
	(DVER-ALL)	1057-1040

TABLE 1

AREA 0016 ESPERANCE BAY S 35.48 120.7E

				P	ERCEN	T FREQU	ENCY C	F WEATHER	DECURRENCE	84 M	ND DIR	ECTION			
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SFRAY BLWG DUST BLWG SNOW	
N NE	2.4	1.1	.0	.0	.0	.0	.0	2.8	2.0	3.8	2.8	.0	1.9	.0	89.8
E SE	1.6	1.3	1.1	.0	.0	.0	.0	4.0	1.7	.9	1.5	.0	1.0		93.8
S	2.0	2.9	.7	.0	.0	.0	.0	5.5	1.5	.3	1.5	.0	.3	.0	90.7
N.	1.3	3.2	1.2	.0	.0	.0	.3	5.9	2.6	1.6	.,	.0	1.1	.0	88.1
VAR CALM	.0	7.0	.0	.0	.0	.0	.0	10.3	.0	4.5 .0 5.3	.0	.0	.0	.0	85.8 .0 94.7
TOT PCT	1.2	3.0	.8	.0	.0	.0	.1	5.2	1.7	1.6	.8	.0	.7	.0	90.1
TOT OBS:	1774	3.0		• 0	.0	.0	.1	,,,		1.0		.0	• '	•0	70.1

TABLE 2

DEDCENT	EPEDILENCY	OF	WEATHER	DCCHBBENCE	RV	HOUR

			F	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FDG WD PCPN	FDG WD PCPN PAST HR		SPRAY BLWG DU BLWG SN	ND SIG WEA
00803 00300	1.4	4.3	1.2	.0	.0	.0	.2	7.2	1.7	.6	.8	.0	1.0	.0	88.6
12615 18621	1.4	3.4	1.2	.0	.0	.0	.2	5.5	1.2	3.0	.6	.0	.6	.0	89.3
TOT PCT TOT DBS:	1.2	2.9	.9	•0	•0	.0	-1	5.1	1.7	1.6	.8	.0	.7	.0	90.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	Yn SPE	ED (KN	וצדם								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT	SPD	00	03	06	09	12	15	18	21
N	.4	2.5	2.3	.4	.1	.0		5.8	12.4	7.5	8.4	5.1	4.9	2.9	5.2	6.5	6.5
NE	. 4	3.7	7.3	2.0	. 1	.0		13.5	14.8	14.2	13.4	13.7	15.4	11.8	15.1	14.4	11.4
E	.6	5.2	6.0	1.2		.0		13.2	12.7	9.9	10.3				15.1		13.4
SE	.5	3.8	2.3	. 4	. 1	.0		7.0	10.9	7.0				8.7	6.2		
5	. 8	6.0	4.2	1 . 1		.0		12.3	11.6	13.2	12.2	12.2			12.6		
SW	. 8	6.8	8 . 6			.1		21.5	15.5	18.7	20.9			25.0			
W	.7	5.6	8.7	4.7	.6	. 1		20.4	16.4	20.5	20.4	23.6			20.1		
NW	.3	2.2	1.4	.7	. 1	.0		4.7	13.2	8.0				2.4	1.2		
VAR	.0	.0	.0	• 0		.0		.0	.0	.0	.0	.0		.0	.0		. 0
CALM	1.7							1.7	.0	1.2	2.6			1.5	3.3		
TOT DBS	157	907	1045	377	54	5	2545		13.9	503	271		205	514	213		
TOT PCT	6.2	35.6		14.8	2.1	. 2		100.0								100.0	

TABLE 3A

WND DIR	0-6		SPEED 17-27	(KNDTS)	41+	TOTAL	РСТ	MEAN	00	HOUS	12 (GMT	18
		,-10		Lu-no	***	DBS	FREQ	SPD	03	09	15	21
N	1.4	2.7	1.4	.2			5.8	12.4	7.8	5.0	3.6	6.6
NE	1.5	6.3	5.0	.6			13.5	14.8	13.9	14.3	12.8	13.2
E	2.0	8.0	2.8	. 3	. 1		13.2	12.7	10.0	13.1	16.4	13.3
SE	2.2	3.5	1.0	. 3			7.0	10.9	6,5	6.7	7.9	7.0
5	3.1	6.4	2.1	. 7	.0		12.3	11.6	12.9	12.0	11.8	12.3
SW	3.2	9.7	6.1	2.4	. 2		21.5	15.5	19.5	22.0	23.9	20.6
W	2.4	8.2	7.2	2.3	. 2		20.4	16.4	20.5	22.1	19.4	19.9
NW	1.2	2.0	1.1	. 4			4.7	13.2	7.4	3.8	2.1	5.5
VAR	.0	.0	.0	.0	.0		.0	• 0	.0	.0	.0	.0
CALM	1.7						1.7	• 0		1.0	2.1	1.7
TOT DES	470	1192	685	181	17	2545		13.9	774	514	727	530
TOT PCT	18.5	46.8	26.9	7.1	. 7		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD:	(PRIMARY)	1912-1969
	(DVER-ALL)	1857-1969

TABLE 4

AREA 0016 ESPERANCE BAY S 35.45 120.7E

PERCENTAGE	ERECHENCY	DE	WIND	SPEED	BY	HOUR	(GMT)

HOUR	CALM	1-3	4-10	WIND 11-21		KNOTS) 34-47	48+	MEAN	PCT	TOTAL
00603	1.7	3.5	34.5	43.2	14.9	1.9	.4	14.1	100.0	774
90300	1.0	3.9	30.7	44.0	18.1	2.1	. 2		100.0	514
12615	2.1	4.8	36.7	40.3	13.6	2.3	.1	13.5	100.0	727
18621	1.7	6.2	40.6	36.2	13.2	2.1	.0	13.1	100.0	530
TOT	42	115	907	1045	377	54	5	13.9		2545
PCT	1.7	4.5	35.6	41.1	14.8	2.1	. 2		100.0	

TABLE 6

P	CT FRE			LOUD A		(EIGHTHS)							CEILIN					
				-		MEAN												
WND DIR	0-2	3-4	5-7	3 8	TOTAL	CLOUD	000	150	300 599	999	1000	2000	3500	5000		8000+	NH <5/8	
				DBSCD	OBS	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	DBS
N	2.2	. 7	1.8	1.5		4.4	.0	.1	. 1	.3	.5	.3	.4	. 3	.1	.0	4.1	
NE	4.6	2.6	3.1	2.2		4.0	.0		*	1.2	1.5	.5	.5	. 2	.0	. 1	8.5	
E	4.4	1.2	4.2	3.3		4.7	.0	.0	. 1	1.3	1.6	1.6	. 9	. 4	.0	.1	7.1	
SE	1.1	1.2	3.0	2.5		5.6	.0	.0	.0	. 8	1.3	1.6	. 3	. 1	.1	.3	3.5	
S	2.0	1.9	5.9	2.5		5.4	.0	.0	. 2	. 5	2.4	2.3	1.3	. 5	. 2	.0	5.0	
SW	5.0	3.8	8.7	3.5		4.7	.0	.0	. 1	1.1	2.9	2.4	1.7	1.0		.2	11.5	
W	4.7	3.8	7.7	4.7		4.9	.0	.0	. 1	. 8	3.7	2.7	1.1	. 3	.0	. 2	11.9	
NW	1.5	.6	2.0	1.0		4.7	.0	.0	. 2	.6	.5	.5	. 3	. 2	.0	. 1	2.6	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 5	. 2	.4	. 3		4.1	.0	.0	.0	. 2	. 2	.1	.0	• 1	.0	.0	. 8	
TOT OBS	291	179	411	241	1122	4.8	0	1	9	77	162	134	73	34	4	11	617	1122
TUT PCT	25.9	16.0	36.6	21.5	100.0		.0	.1	. 8	6.9	14.4	11.9	6.5	3.0	.4	1.0	55.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM	1)			
CF	ILING	• OR	- UR	. DR	= DR	= DR	= DR	- OR	. DR
(F	EFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR	>6500	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
• OR	>5000	3.7	4.3	4.4	4.4	4.4	4.4	4.4	4.4
· OR	>3500	9.4	10.9	10.9	10.9	10.9	10.9	10.9	10.9
- OR	>2000	19.6	22.5	22.7	22.9	22.9	22.9	22.9	22.9
- OR	>1000	31.0	36.5	37.2	37.4	37.4	37.4	37.4	37,4
- OR	>600	36.0	43.1	43.8	44.1	44.1	44.1	44.1	44.1
- OR	>300	36.4	43.9	44.6	44.9	44.9	44.9	44.9	44.9
- DR	>150	36.4	44.0	44.7	45.0	45.0	45.0	45.0	45.0
- OR	> 0	36.4	44.0	44.7	45.0	45.0	45.0	45.0	45.0
	TOTAL	419	507	515	518	518	518	518	518

TOTAL NUMBER OF DBS: 1152 PCT FRED NH 45/81 55.0

TABLE 7A

PERCENTAGE FREQ DF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 12.7 12.6 12.9 9.4 7.5 6.7 9.3 11.8 17.0 .0 1261

0		n	-	0

							NOV	EMBER						
(PRIMARY) 1 (DVER-ALL) 1	912-1969 857-1969						TA	ABLE 8				ARE	A 0016 ESPER 35.45	
		P	ERCENT	PREC				VS DCC					E OF	
VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
<1/2	PCP NO PCP	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	• 0	•0	.0	.0	.0	.0	.0	•0	.0	.0	.0		
1/2<1	PCP NO PCP TOT %	• 2	.1	.0	.1	.1	.1	.1	.0	.0	.0	.6		
1<2	PCP ND PCP	•0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.2		
	TOT %	•0	.0	.1	.0	.1	.0	.0	.0	.0	.0			
2<5	NO PCP	•0	•1	.0	.0	.1	.0	.1	.0	.0	.0	.3		
5<10	PCP NO PCP TOT %	1.7 1.9	3.7 3.9	4.0	.2 1.8 2.0	4.2 4.6	1.1 6.1 7.2	.8 5.8 6.6	1.1 1.5	.0	.0	3.6 28.7 32.2		
10+	PCP NO PCP TOT \$	3.9	8.7 8.7	8.1 8.2	5.4 5.4	7.6 7.7	.3 13.6 13.9	.4 13.5 13.9	3.4 3.4	.0	.0	1.1 64.9 66.0		
	TOT OBS	6.0	12.8	12.7	7.5	12.8	21.3	20.9	5.0	.0	1.1	100.0	1774	

TABLE

(NM)	SPD KTS	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
CHE /	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	DBS
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	:0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT X	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	. 1		.0	.1	. 1	.0		*	.0		.3	
	11-21	. 1	.1	.0	.0	. 1	*	.1	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.1	.1	.0	.0		.1	
	TOT \$.2	• 1	.0	.1	. 1	. 1	. 1	•	.0	.0	:7	
	0-3	.0	.0	.0	.0		.0	.0	.0	.0	.0	.1	
1<2	4-10	.0	.0	.0	.0	. 1	.0	.0	.0	.0		.1	
	11-21	.0	.0	. 1		. 1		.1	.0	.0		.3	
	22+	.0	.0	.0	.0	.0			.0	.0		.1	
	TOT %	.0	.0	. 1		. 2	*	.1	.0	.0	.0	.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	. 1	.0	. 2	.0	.0	.0	.0		. 2	
	11-21	.0	• 1	.0	.0	.1	.0	. 1	.1	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	. 1	- 1	.0		.1	
	TOT %	.0	• 1	.1	.0	. 2	.0	.1	.1	.0	.0	.6	
	0-3	.1	.1	. 1	. 2	. 4	. 2	. 3	. 1	.0	.3	1.7	
5<10	4-10	.5	1.0	1.2	. 9	1.5	1.7	1.7	. 6	.0		9.1	
	11-21	1.0	1.8	2.5	.7	2.1	3.0	2.3	. 5	.0		13.9	
	22+	1:7	. 7	. 5	. 2	4:4	1.7	1.6	1:3	.0		30.2	
	TOT %	1.7	3.6	4.4	2.0	4.4	6.6	6.0	1.3	.0	. 3	30.2	
	0-3	.4	.3	.6	.4	.4	.7	. 4	2	.0	.8	4.1	
10+	4-10	1.7	2.6	4.0	3.2	4.3	5.0	3.6	1.6	.0		26.1	
	11-21	1.4	4.9	3.7	1.6	2.4	6.3	6.2	.9	.0		27.2	
	22+	. 3	1.0	. 8	. 3	. 8	3.1	3.8	.6	.0		10.7	
	TOT %	3.7	8.7	9.0	5.5	7.9	15.1	14.0	3.3	.0	. 8	68.1	

PERIOD:	(PRIMARY)	1912-1969
	ICHER ALLY	1057-1040

TABLE 10

AREA 0016 ESPERANCE BAY S 35.45 120.7E

PERCENT	FREQUENCY	OF	CEIL	ING	HEIGHTS	(FEET, NH	>4/81	AND
	DECLIE	DER	UCE F	IF NE	4 65/8 BY	MULID		

HOUR (GMT)	149	150 299	300 599	600	1000		3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00603	.0	.0	.7	9.0	14.3	13.6	8.6	5.0	. 3	2.0	53.5	46.5	301
90300	.0	.3	•0	5.5	12.2	11.3	5.8	2.3	.6	.0	37.9	62.1	311
12615	.0	.0	1.0	4.6	14.8	8.9	3.6	2.0	.7	1.3	36.7	63.3	305
18821	.0	.0	1.3	6.4	14.1	11.8	6.7	2.4	.0	.3	43.1	56.9	297
TOT	0	1	9	77	168	138	75	35	5	11	519	695	1214

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5		NH <5/8 AND 5+	TOTAL DBS
00803	.0	.9	1.1	.4	33.6	64.0	544	60300	.0	.7	11.4	44.3	44.3	289
90330	.0	.7	.7	.5	25.5	73.2	444	90300	.0	.3	6.8	33.1	60.1	296
12815	.0	.5	•2	. 5	35.8	62.9	572	12615	.0	1.0	6.6	32.9	60.5	286
18821	.0	. 7	•2	.9	24.7	73.6	458	18621	.0	1.4	9.6	35.9	54.4	281
TOT	0	14	9	11	614	1370	2018	TOT	0	10	99	421	632	1152

TABLE 13

							-									4.0	E 14				
		PERC	ENT FR	EOUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP				PERC	ENT FR	EQUENC	Y DF	VIND D	RECT. 7	N BY T	EMP	
TE	MP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	Ε	SE	S	5 w	*	48	VAR	CALM
7	5/79	.0	.0	. 1	.0	.0	.0	.0	.0	1	.1	.0	.0	.0	.0	-0	. 1	.0	. 0	.0	.0
7	0/74	.0	.0	.1	.1	. 2	.1	. 1	.0	7	.5	.0	. 1	. 2	.0	.0	. 1	.0	-0	.0	.1
6	5/69	.0	.0	. 1	.3	1.9	1.9	2.5	. 3	96	6.9	.4	1.2	. 7	. 2	. 3	1.1	2.5	. 4	.0	. 1
6	0/64	.0	.0	.1	1.2	5.9	13.8	15.7	5.0	585	41.9	3.5	7.5	6.0	2.7	3.2	6.5	9.1	2.8	.0	. 6
5	5/59	.0	.0	. 1	2.5	12.0	16.0	12.4	3.6	651	46.6	1.3	4.2	5.4	4.2	7.4	13.2	8.5	1.7	.0	. 5
5	0/54	.0	.0	.0	. 4	1.6	1.0	.7	. 4	57	4.1	.0	.0	.1	. 6	1.1	1.5	. 7	.0	.0	.0
T	DTAL	0	0	7	63	302	457	439	129	1397	100.0				-		-				
	PCT	.0	.0	.5	4.5	21.6	32.7	31.4	9.2	-		5.2	12.9	12.5	7.7	12.1	22.5	20.8	4.9	.0	1.3

				TAP	1E 15									TABLE	16			
	MEANS,	EXTREM	ES AND	PERCEN	ITILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOU!	R
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	1014
00803	72 75	68	66	60	55 56	53 55	52	60.1	758 505	00603	.0	5.7	21.4	28.1	34.3	10.5	77	370
12815	70 69	65	63	59 58	55	53 52	51	59.1	723	12615	.0	3.4	17.4	37.0	33.2	9.1	78	386
TOT	75	68	65	60	55	53	49	58.3	543 2529	18621	.0	73	307	466	32.8		78	1434

NOVEMBER

PERIOD: (PRIMARY) 1912-1969 (OVER-ALL) 1857-1969

TABLE 17

AREA 0016 ESPERANCE BAY 5 35.45 120.7E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

49	53	57	61	65	69	73	TOT	*	WD
52	56	60	64	68	72	76		FDG	FDG
.0	.0	.0	.0	.0	.0	.1	2	.0	.1
.0	.0	.0	.0	.0	. 2	.0	3	.0	. 2
.0	.0		.0	. 1	.0		3	.0	. 2
.0	.0	. 1	.1	. 3	.1	.0	9	.0	.6
.0	.0	.0	.3	.5	. 1	.0	13	.0	. 8
.0	.0	.0	.6	1.0	. 2	.0	27	.0	1.8
.0	.0	. 2			.2	.0	38	.0	2.5
.0	. 1		2.9	1.6	.0	.0	75	.0	4.9
.0	. 1	2.0	4.6	.7	.0	.0	112	. 1	7.2
.0	. 3		5.2	. 4		.0	149	. 1	9.7
.0	. 5	7.3	6.3	. 6	.0	.0	225	. 1	14.6
. 1	1.2		4.4	. 1		.0	224	. 1	14.6
.0	2.5	8.3	2.3	. 1	.0	.0	203	. 1	13.1
. 1	2.8	5.9	. 8	.0		.0	147	. 2	9.4
. 1	3.7	3.6	1.0	.0	.0	.0	129	. 1	8.4
. 1	2.5	2.4	.5	.0		.0	85	. 1	5.4
.0	1.0	1.0	. 1	.0	.0	.0	33	.0	2.2
.4	1.8	. 7	.0	.0	.0	.0	43	. 1	2.7
.0	. 6	. 1	.0	.0	.0	.0	10	.0	.7
. 1	. 1	.0	.0	.0	.0	.0	2	.0	.1
12		681		99		3		14	1518
	264		460				1532		
. 8	17.2	44.5	30.0	6.5	. 8	. 2	100.0	. 9	99.1
	52 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	52 56 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	52 56 60 .0 .0 .0 .0 .0 .0 .0 .2 .0 .1 .2 .0 .1 .2 .0 .1 .2 .0 .1 .2 .0 .5 .3 .8 .1 2.8 8.9 .1 2.8 8.9 .1 2.8 8.9 .1 2.8 8.9 .1 2.6 8.8 .1 3.6 8.	52 56 60 64 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .2 .9 .0 .1 .3 2.9 .0 .1 2.0 4.6 .0 .3 3.8 5.2 .0 .5 7.3 6.3 .1 1.2 8.8 4.4 .0 2.5 8.3 2.3 .1 2.8 5.9 8 .1 2.8 5.9 8 .1 2.8 5.9 18 .	52 56 60 64 68 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .0 .0 .0 .0 .3 .5 .0 .0 .0 .2 .9 i.2 .0 .1 .3 2.9 i.6 .0 .1 .2 .0 46 .7 .0 .3 3.8 5.2 4 .0 .5 7.3 6.3 6 .1 1.2 8.8 4.4 1 .1 2.8 5.9 8.3 .1 1.2 8.8 4.4 1 .1 2.8 5.9 8.3 .1 1.2 8.8 1.0 .0 .1 1.0 1.0 1.0 1 .1 2.8 5.9 8.9 .1 1.0 1.0 1.0 1 .1 2.6 681 .1 1.0 0.0 .1 1.0 1.0 0.0 .1 1.0 0.0	52 56 60 64 68 72 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .2 .0 .0 .0 .0 .0 .1 .1 .0 .0 .0 .3 .5 .1 .0 .0 .0 .2 .9 1.2 .2 .0 .1 .2 .9 1.6 .0 .0 .1 .2 .9 4.6 .7 .0 .0 .3 3.8 5.2 .4 .1 .0 .5 7.3 6.3 .6 .0 .1 1.2 8.8 4.4 .1 .0 .2 .5 7.3 6.3 .6 .0 .1 1.2 8.8 4.4 .1 .1 .2 8.5 .9 .8 .0 .1 1.3 7.3 6.1 .0 .0 .1 2.5 5.4 .5 .0 .0 .1 2.5 5.4 .5 .0 .0 .1 1.5 7.5 .6 .1 .0 .0 .1 2.5 5.4 .5 .0 .0 .1 1.5 .7 .0 .0 .0 .1 2.5 5.4 .5 .0 .0 .1 2.5 6.8 1 .0 .0	52 56 60 64 68 72 76 .0 .0 .0 .0 .0 .0 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .2 .0 .0 .0 .0 .0 .0 .1 .0 .1 .0 .0 .0 .0 .1 .1 .3 .1 .0 .1 .0 .0 .0 .0 .3 .5 .1 .0 .0 .0 .0 .2 .9 1.2 .2 .0 .0 .0 .2 .9 1.2 .2 .0 .0 .1 .2 .0 4.6 .7 .0 .0 .0 .3 3.8 5.2 .4 .1 .0 .0 .5 7.3 6.3 .6 .0 .0 .1 1.2 8.8 4.4 .1 .0 .0 .2 .5 8.3 2.3 .1 .0 .0 .1 2.8 5.9 .8 .0 .0 .0 .1 2.8 5.9 .8 .0 .0 .0 .1 2.5 2.4 .5 .0 .0 .0 .1 2.5 2.4 .5 .0 .0 .0 .1 1.0 .0 .1 .0 .0 .0 .1 1.0 .0 .1 .0 .0 .0 .1 1.0 .0 .0 .0 .0 .1 1.0 .0 .0 .0 .0 .1 1.0 .0 .0 .0 .0 .1 1.0 .0 .0 .0 .0 .1 1.0 .0 .0 .0 .0 .0 .1 1.0 .0 .0 .0 .0 .0 .1 1.0 .0 .0 .0 .0 .0 .1 1.0 .0 .0 .0 .0 .0 .1 1.0 .0 .0 .0 .0 .0 .1 1.0 .0 .0 .0 .0 .0 .0 .1 1.0 .0 .0 .0 .0 .0 .0 .1 1.0 .0 .0 .0 .0 .0 .0 .1 1.0 .0 .0 .0 .0 .0 .0 .1 2.5 2.4 .5 .0 .0 .0 .0 .0 .1 1.0 .0 .0 .0 .0 .0 .0 .0 .1 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .1 2.5 2.4 .5 .0 .0 .0 .0 .0 .0 .0 .1 1.1 0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	52 56 60 64 68 72 76 .0 .0 .0 .0 .0 .0 .0 .1 2 .0 .0 .0 .0 .0 .1 3 .0 .0 .0 .0 .1 3 .1 .0 13 .0 .0 .0 .1 .1 3 .1 .0 9 .0 .0 .0 .3 .5 .1 .0 13 .0 .0 .0 .2 .9 1.2 2 .0 27 .0 .0 .2 .9 1.2 2 .0 38 .0 .1 .3 2.9 1.6 .0 .0 75 .0 .1 .20 4.6 .7 .0 .0 112 .0 .3 3.8 5.2 4 .1 .0 149 .0 .5 7.3 6.3 .6 .0 .0 .2 25 .1 1.2 8.8 4.4 1 .0 22 .1 1.2 8.8 4.4 1 .0 22 .1 1.2 8.8 4.4 1 .0 22 .1 1.2 8.8 1.0 20 .1 1.3 2.4 .5 .0 .0 .0 224 .1 2.8 5.9 8 .0 .0 .0 12 .1 2.8 5.9 8 .0 .0 .0 12 .1 2.8 5.9 8 .0 .0 .0 .0 12 .1 2.8 5.9 8 .0 .0 .0 .0 12 .1 2.8 5.9 8 .0 .0 .0 .0 33 .1 2.8 5.9 8 .0 .0 .0 .0 34 .1 2.8 5.9 8 .0 .0 .0 .0 34 .1 2.8 5.9 8 .0 .0 .0 .0 34 .1 2.8 5.9 8 .0 .0 .0 .0 34 .1 2.8 5.9 8 .0 .0 .0 .0 34 .1 2.8 5.9 8 .0 .0 .0 .0 34 .1 2.8 5.9 8 .0 .0 .0 .0 34 .1 2.8 5.9 8 .0 .0 .0 .0 34 .1 2.8 5.9 8 .0 .0 .0 .0 34 .1 2.8 5.9 8 .0 .0 .0 .0 34 .1 2.8 5.9 8 .0 .0 .0 .0 34 .1 2.8 5.9 8 .0 .0 .0 .0 34 .1 2.8 6.1 0 .0 0 0 0 0 0 24 .1 3 1532	52 56 60 64 68 72 76 FDG .0 .0 .0 .0 .0 .0 .0 .0 .1 2 .0 .0 .0 .0 .0 .0 .0 .3 .0 .3 .0 .0 .0 .0 .0 .0 .1 .0 .1 3 .0 .0 .0 .0 .0 .0 .1 .0 .1 3 .0 .0 .0 .0 .0 .1 .1 .3 .1 .0 9 .0 .0 .0 .0 .3 .5 .1 .0 .1 3 .0 .0 .0 .0 .2 .9 1.2 .2 .0 38 .0 .0 .1 .2 .9 1.2 .2 .0 38 .0 .0 .1 .2 .4 .6 .7 .0 .0 112 .1 .0 .3 3.8 5.2 .4 .1 .0 149 .1 .0 .5 7.3 6.3 .6 .0 .0 225 .1 .1 1.2 8.8 4.4 .1 .0 .0 224 .1 .1 2.8 5.9 .8 .0 .0 .0 224 .1 .1 2.8 5.9 .8 .0 .0 .0 224 .1 .1 2.8 5.9 .8 .0 .0 .0 224 .1 .1 2.8 5.9 .8 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .8 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .8 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .8 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .8 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .8 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .8 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .8 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .8 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 225 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 224 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 225 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 225 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 225 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 225 .1 .1 2.8 5.9 .0 .0 .0 .0 .0 225 .1

PERIOD: (OVER-ALL) 1963-1969

TABLE 18
PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

11-21 N 22-33 ... 0 ... NE 22-33 0.00 .22 .11 .42 .52 .00 .00 .00 .00 .00 .00 .00 .00 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 33-40 41-48 49-00 61-70 71-86 1-3 1-3 34-47 .00.00.00.00.00.00.00.00.00.00.00.00 1.4 22-33 1-3 1-3 11-21 34-47

TABLE 18 (CONT)

AREA 0016 ESPERANCE BAY S 35.45 120.7E

PCT	FRED	DE	WIND	SPEEN	(HTS)	AND	DIRECTION	VERSUS	SEA	HEIGHTS	(FT)

				PC	T FREO	OF WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS S	EA HEIG	HTS (FT)			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.6	1.0	.0	.0	.0	.0	1.6		.2	. 8		.0	.0	.0	. 9	
1-2	.3	1.6	.2	.0	.0	.0	2.0		.6	3.1		.0	.0	.0	4.1	
3-4	.0	1.3	2.0	.0	.0	.0	3.3		.0	2.0		.3	.0	.0	3.9	
5-6	.0	.4	.9	.1	.0	.0	1.4		.0	. 3		1.1	. 3	.0	5.2	
7	.0	. 0	.4	.6	.0	.0	1.0		.0	.0		1.4	.0	.0	2.5	
8-9	.0	.0	.1	. 2	.0	.0	.3		.0	.0		. 8	. 3	.0	1.7	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0		. 3	. 2	.0	. 5	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		.2	.0	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.3	. 2	. 5	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0		.5	.0	. 1	.5	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0		.0		
26-32	.0	.0	.0	.0	.0	.0	.6		.0	.0	.0	.2	.0	.0	. 2	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
TUT PCT	. 9	4.3	3.5	.9	.0	.0	9.6		. 8	6.3	6.9	4.9	1.2	. 2	20.3	
122				W					72.25			NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	PCT
<1	. 2	. 5	.0	.0	• 0	.0	. 7		• 2	.0	-	.0	.0	.0	. 2	
1-2	. 2	2.4	.4	.0	.0	.0	3.0			1.6		.0	.0	.0	1.7	
3-4	.0	1.2	3.2	. 4	.0	.0	4.8		• 2	.6	. 6	. 2	.0	.0	1.6	
5-6	.0	. 3	3.1	1.1	• 0	.0	4.5		.0	.5	.5	.4	.0	.0	1.3	
7	.0	.0	1.2	2.2	. 2	.0	3.5		.0	.0		.2	.0	.0	. 5	
8-9	.0	.0	.6	.9	. 2	.0	1.6		.0	.0	.0	.3	.0	.0	. 3	
10-11	.0	.0	.0	.9	. 1	.0	1.1		.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	. 4	.0	.0	. 4		.0	.0		. 2	.0	.0	. 2	
13-16	.0	.0	.0	.3	. 2	.0	. 5		• 0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	. 2	. 2		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	. 3	.0	. 3		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	. 2	.0	. 2	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	. 0	.0	.0	
TOT PCT	. 3	4.5	8.5	6.2	. 9	. 2	20.6		.4	2.7	1.4	1.2	.2	.0	5.8	97.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

	1,775								
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT	
<1		3.9		.0	.0	.0	9.1	085	
	5.2		.0						
1-2	2.5	15.2	2.0	.0	.0	.0	20.6		
3-4	. 3	11.1	14.3	1.2	.0	.0	27.0		
5-6	.0	2.3	15.3	3.1	. 3	.0	21.0		
7	.0	. 2	6.0	5.2	. 2	.0	11.6		
8-9	.0	.0	1.7	2.5	.5	.0	4.6		
10-11	.0	.0	. 2	1.7	.6	.0	2.5		
12	.0	.0	. 3	. 9	. 2	.0	1.4		
13-16	.0	.0	.0	. 3	.5	. 2	. 9		
17-19	.0	.0	.0	. 5	.0	. 3	. 8		
20-22	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	. 3	.0	. 3		
26-32	.0	.0	.0	. 2	. 2	.0	. 3		
33-40	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		
								649	
TOT DET	9 0	22 4	20 0	15 4	2 6	- 5	100 0		

TOT PCT 8.0 33.6 39.8 15.6 2.6 .5 100.0

PERIOD: (OVER-ALL) 1949-1969 TABLE 19

					PERCEN	T FRE	PUENCY	OF WAY	VE HEIC	HT (F) VS	WAVE P	ERIDO	SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	. 3	2.5	5.2	4.2	2.0	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	141	4
6-7	.0	. 3	4.0	5.4	5.7	2.8	2.7	. 5	. 9	.0	. 1	.1	. 2	.0	.0	.0	.0	.0	.0	211	7
8-9	.0	.1	1.6	3.9	4.9	5.0	3.0	2.0	. 9	.5	. 2	.1	.0	.0	.0	.0	.0	.0	.0	208	8
10-11	.0	.0	. 1	1.3	4.0	3.3	3.2	1.8	1.3	. 8	. 9	.0	.0	.0	.0	. 0	.0	- D	.0	155	10
12-13	.0	.0	. 1	.6	. 9	1.0	2.0	1.3	3.1	.2	.0	. 2	. 2	. 1	.0	.0	.0	.0	.0	91	11
>13	.0	.0	.0	.0	. 1	. 2	. 2	1.0	1.1	.0	.5	.1	. 2	.0	.0	.0	.0	.0	.0	32	15
INDET	1.2	. 5	1.2	1.8	2.0	1.1	. 8	.1	1.1	. 2	. 1	.0	.0	.0	- 0	. 0	.0	- 0	.0	94	7
TOTAL	14	32	113	160	183	130		63	77	16	17	5		1	0	. 0	0	.0	0	932	8
PCT	1.5	3.4	12.1	17.2	19.6	13.9	12.3	6.8	8.3	1.7	1.8	.5	. 6	- 1	.0	- 0	.0	-0	- 0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1912-1971

TABLE 1

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENT FREQUENCY	DF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

			Р	RECIPI	TATION	N TYPE					OTHER	WEATHER	PHEND	MEN"	
WND DIR	RAIN	RAIN	DRZL	FRZG	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NI SIG WEA
N NE	1.9	1.2	1.2	.0	.0	.0	.0	2.8	1.2	5.6	1.9	.0	3.5	.0	88.0
E	2.0	2.1	.7	.0	.0	.0	.0	4.8	1.2	3.3	.9	.0	3.2	.0	87.8
S E S S W	1.5	1.8	.8	.0	.0	.0	.0	1.9	1.5	.4	1.6	.0	1.3	.0	95.4
W NW	1.4	3.9	1.6	.0	•0	.0	.0	6.9	2.8	.2	1.2	.0	.2	.2	88.4
VAR	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	0.0	16.7	.0	83.3
CALM	.0	•0	.0	.0	•0	.0	.0	.0			.0				
TOT DBS:	1753	2.1	1.0	•0	•0	.0	. 1	4.7	1.5	1.4	1.1	.0	1.5	•1	90.0

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00803 06809 12815 18821	1.6 .8 1.4 2.2	3.0 .8 1.2 3.0	1.0 .5 .4 2.2	.0	.0	.0	.0	5.6 2.0 3.2 7.4	1.8 2.0 1.6	.4 .0 2.8 2.0	2.2 1.0 .4 .7	.0	1.6 2.3 2.0	.0	88.6 92.7 91.0 88.9
TOT PCT	1.5	2.0	1.0	.0	.0	.0	-1	4.5	1.6	1.3	1.1	.0	1.5	.1	90.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	ND SPE	ED (KN	ופדם								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPO	00	03	06	09	12	15	18	21
N	.4	2.3	1.4	.4	.0	.0		4.5	11.1	6.5	4.9	2.0	6.0	3.2	4.1	4.1	5.3
NE	. 5	4.3	7.5	2.7	. 3	.0		15.3	14.9	16.1	16.1	13.5	14.8	13.1	18.4	14.9	17.9
E	. 8	5.0	7.7	1.8	. 1	.0		15.3	13.4	14.6	12.3	14.5	16.0	17.5	15.8	16.5	14.2
SE	. 5	4.4	3.4	.4	.0	.0		8.7	10.9	6.3	4.9	9.8	9.8	11.1	7.8	11.9	7.0
5	. 9	6.9	4.6	.6	. 2	.0		13.3	11.0	11.4	12.4	12.5	12.9	15.7	15.0	15.1	10.5
SW	. 8	8.0	6.8		.6	.1		18.9	13.5	17.9	19.7	19.6	17.6	21.2	18.7	16.0	19.4
W	. 5	5.8			. 7			18.3	15.5	19.3	19.8	24.0	16.9	15.7	13.4	18.4	18.0
NW	.2	2.2		.3	. 1			5.0	12.3	7.1	8.1	4.0	5.5	2.3	5.5	2.8	5.8
VAR	.0	.0	.0			.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5
CALM	. 8							. 8	.0	. 8	1.8	.0	. 5	. 2	1.4	. 3	1.9
TOT OBS	135	971	1932	294	49	7	2488		13.2	499	273	288	209	499	209	295	215
TOT PCT	5.4	39.0		11.8	2.0	. 3		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	16
N	1.2	2.3	. 7	.3	.0		4,5	11.1	5,9	3.7	3.4	4.6
NE	1.6	7.6	5.2	. 9	.0		15.3	14.9	16.1	14.1	14.7	16.1
E	2.3	8.3	4.3	.4	.0		15.3	13.4	13.8	15.1	17.0	15.5
SE	2.1	4.8	1.7		.0		8.7	10.9	5,8	9.8	10.1	9.8
5	3.4	7.4	2.0	. 4	.0		13.3	11.0	11.8	12.7	15.5	13.2
SW	.4.1	9.2	3.9	1.6	. 1		18.9	13.5	18.6	18.8	20.4	17.4
W	2.7	8 . 1	5.6	1.4	. 4		18.3	15.5	19.5	21.0	15.0	18.2
NW	1.2	2.6	. 9	.1	. 1		5.0	12.3	7.4	4.6	3.2	4.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	. 8						. 8	.0	1.2	. 2	.6	1.0
TOT DES	485	1253	609	126	15	2488		13.2	772	497	708	511
TAT OFT	14 .	50.4	74 8	8 . 1	. 6		100.0		100-0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1912-1971 (OVER-ALL) 1854-1971

TABLE 4 AREA 0016 ESPERANCE BAY 5

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21		KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL DBS
00603	1.2	5.2	37.6	42.9	10.9	2.1	.3	13.2	100.0	772
90300	. 2	3.8	36.4	42.9	13.5	2.6	. 6		100.0	497
12615	.6	4.2	42.8	37.0	13.4	1.8	.1		100.0	708
18621	1.0	5.3	38.6	44.2	9.4	1.4	. 2		100.0	511
TOT	19	116	971	1032	294	49	7	13.2		2488
PCT	.8	4.7	39.0	41.5	11.8	2.0	. 3		100.0	

TABLE 5

P	CT FRE	-				EIGHTHS)		7 .	PERCEN	TAGE F	REQUEN	CY DF	CEILIN	G HEIG	HTS (T,NH :	4/8)	
		8	A MINI	DIREC	TION					AND DO	CURREN	CE OF	NH <5/	8 BY W	IND D	RECTIO	JN	
			-		_	MEAN												
MND DIP	0-2	3-4	5-7	3 8	TOTAL	CLOUD	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
				OBSCO	085	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	DBS
N	1.0	. 5	1.2	.7		4.6	.0	.0	.0	. 2	.6	. 1	.4	• 0		.0	2.2	
NE	5.5	1.6	4.9	2.1		4.1	.0	.0	.0	. 8	1.6	. 9	. 9	. 4	. 2	.2	9.2	
E	2.8	1.8	6.5	5.0		5.6	.1	. 1	. 3	1.3	3.4	1.8	1.4	.6	.0	. 3	6.8	
SE	1.0	1.2	3.8	3.8		5.9	.0		. 3	. 9	1.9	1.9	. 7	. 2	.1		3.4	
S	3.1	2.3	5.4	3.6		5.1	.0	. 1	. 1	. 9	2.5	2.3	. 8	. 3	.2	2	7.2	
SW	3.8	4.0	7.1	4.3		5.1	.0	.0	. 3	1.1	3.6	2.0	1.2	.4	. 2	1	10.2	
W	5.2	3.3	7.4	3.2		4.6	.0	.0	. 3	1.5	2.9	1.0	1.8	.6	. 1		11.0	
NW	1.2	. 6	1.0	.7		4.4	.0	.0	.0	.4	. 3	.4	. 1	.1	.0	.0	2.2	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.1	.2		7.6	.0	•0	.0	.0				(3.5)	17.5		-	
TOT DBS	255	166	403	256	1080	5.0	1	2	14	77	184	113	80	28	•0	• 0	564	1085
TOT PCT	23.6	15.4	37.3	23.7	100.0		• 1	. 2	1.3	7.1	17.0	10.5	7.4	2.6	. 8	.7	52.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSEY (NM)

				WERY IN				
			-	VSBY (NM				
CEILING	 OR 	- DR	= DR	≠ DR	- OR	· OR	 OR 	 DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
 DR >5000 	3.4	4.0	4.1	4.1	4.1	4.1	4.1	4.1
■ DR >3500	10.5	11.4	11.6	11.6	11.6	11.6	11.7	11.7
 DR >2000 	19.2	21.4	21.8	21.8	21.8	21.8	21.9	21.9
 DR >1000 	34.0	38.0	38.8	38.8	38.8	38.8	38.9	38.9
■ DR >400	39.1	44.6	45.8	45.8	45.8	45.8	45.9	45.9
■ DR >300	39.7	45.5	46.8	47.0	47.0	47.1	47.2	47.2
 DR >150 	39.7	45.6	47.0	47.2	47.2	47.2	47.3	47.3
. DR > 0	39.7	45.7	47.1	47.2	47.2	47.3	47.4	47.4
TOTAL	440	506	521	523	523	524	525	525

TOTAL NUMBER OF OBS: 1107 PCT FREO NH 45/81 52.6

TABLE 7A

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 10.0 13.1 11.5 9.4 8.5 5.8 10.3 12.1 19.2 .0 1189

10	r	•	M	0	c	D	

							DEC	EMBER					
PERIOD: (PRIMARY) 1 (OVER-ALL) 1	912-1971 854-1971						τ4	8LE 8				ARE	A 0016 ESPERANCE BAY S 35.45 120.65
		PI	RCENT					VS DCC					CE OF
VSBY (NM)		N	NE	F	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP NO PCP TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	PCP	•0	.1	.1	.0	.1	.1	•1	.0	.0	.0	.2	
1/2<1	NO PCP	• 1	.2	.0	.0	.0	.1	.1	.1	.0	.0	. 7	
1<2	PCP NO PCP	•0	.0	.1	•0	.0	.0	.0	.0	.0	.0	1.1	
	TOT %	•	. 4	.4	•	. 1	• 1	.0	.0	.0	.1	1.1	
2<5	PCP NO PCP TOT %	•0 •1	.2	.1	.0	.1	.0	.1	.0	.0	.0	.9	
5<10	PCP NO PCP	•1	6.1	.5	.4	.1	.5	.9	.3	.0	.0	3.1	
5010	TOT %	1.0	6.5	6.0	3.1	4.1	7.1	6.2	1.3	.0	.2	35.5	
10+	PCP NO PCP TOT %	2.3	8.6 8.7	9.6	5.5 5.6	8.9 9.0	11.7 12.0	.3 11.4 11.6	2.2	.0	.0	60.4 61.2	

TOT OBS 1753 TOT PCT 3.6 16.1 16.5 8.8 13.5 19.3 18.3 3.6 .0 .3 100.0

TABLE 9

				PERCEN	T FREG	OF WI	ND DIE	S OF V	VS WI	ND SPE	ED		
VSBY (NM)	SPD KTS	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.1	.0	. 1	.0	.0	.0	.0		. 1	
	11-21	.0	.0	.0	.0	.0	.0	. 1	.0	.0		. 1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.1	.0	. 1	.0	. 1	.0	.0	.0	. 2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	. 1	.0	.0	.0			. 1	.0		.2	
	11-21	. 1	. 2	. 1	.0	.0	. 1	.0		.0		. 4	
	22+	.0	• 0	. 1	.0	.0	. 1	.0	.0	.0		:7	
	TOT %	• 1	. 3	. 1	.0	.0	. 1	. 1	. 1	.0	.0	.7	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
1<2	4-10	.0	. 1	. 1		.0	.0	.0	.0	.0		. 2	
	11-21	.0	. 2	. 2	.0	. 1	. 1	.0	.0	.0		. 5	
	22+		. 2	. 1	.0	. 1	.0	.0	.0	.0		. 4	
	TOT X		.4	. 4	•	. 1	. 1	.0	.0	.0	. 1	1.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
245	4-10	.0	. 1	.0	. 1	.0	.0	.0	.0	.0		. 1	
	11-21	. 1	. 2	. 1	.0	. 1	.0	. 2	.0	.0		. 6	
	22+	. 1		. 1		. 1	. 1	. 2	.0	.0		. 5	
	TOT %	. 1	• 2	. 2	. 1	. 2	. 1	.3	.0	.0	.0	1.1	
	0-3	.0	.1	.5	.2	.3	.4	. 2		.0	.2	1.9	
5<10	4-10	. 4	1.0	1.6	1.0	1.9	2.5	1.5	. 5	.0		10.4	
	11-21	.5	3.6	2.5	1.5	1.0	2.1	2.5	.5	.0		14.2	
	22+	. 1	1.4	1.1	. 1	3.7	1.5	1.5	1.2	.0		6.4	
	TOT %	1.0	6.1	5.7	2.8	3.7	6.5	5.7	1.2	.0	.2	32.9	
	0-3	.4	.4	.3	.2	4:7	. 2	. 3	. 2	.0	.2	2.9	
10+	4-10	1.8	3.0	3.4	3.5	4.7	4.9	4.2	1.3	.0		26.9	
	11-21	. 7	4.2	5.8	1.7	3.6	5.3	5.7	1.5	.0		28.5	
	22+	. 1	1.5	.7	. 3	. 2	1.3	1.4	. 2	.0		5.7	
	TOT %	3.0	9.1	10.2	5.8	9.1	11.8	11.7	3.1	.0	.2	64.1	
1	OT 095												1957
T	OT PCT	4.2	16.1	16.7	8.7	13.2	18.5	17.8	4.4	.0	.4	100.0	

-	-	-	C	4	c	R

PERIOD: (PRIMARY) 1912-1971 (DVER-ALL) 1854-1971

TABLE 10

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00803	.0	.0	1.7	9.3	20.4	8.7	11.4	2.8	.7	1.0	56.1	43.9	289	
06609	.0	.3	.7	5.1	12.3	6.2	6.8	1.7	.3	. 3	33.9	66.1	292	
12815	.0	.3	1.4	5.2	16.0	11.1	5.9	2.1	.7	.7	43.4	56.6	288	
18621	.4	.0	1.1	7.1	17.1	13.5	5.0	3.2	1.4	.7	49.5	50.5	281	
TOT PCT	.1	.2	14	6.7	189	113	7.3	2.4	.8	.7	525 45.7	625 54.3	1150	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 < 1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
€0300	.4	1.4	1.2	1.2	37.6	58.1	561	00603	.0	2.1	12.5	46.1	41.4	280
90360	.0	.5	1.2	1.6	25.0	71.8	432	90360	.0	1.1	7.9	27.8	64.3	277
12615	.0	.2	1.2	.9	37.9	59.8	575	12815	.0	1.8	8.7	36.5	54.7	276
18621	.2	.5	.5	.9	29.1	68.8	443	18821	.4	1.5	9.5	41.6	48.9	274
TOT PCT	.1	13	21	23	666 33.1	1285	2011	TOT PCT	.1	18	107	421 38.0	579 52.3	1107

				т	ARLE 1	3									TABL	E 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP		PCT		PER	ENT FR	EQUEN	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NH	VAR	CALM
70/74	.0	.0	. 1	. 1	.7	.8	. 5	.1	33	2.4	.1	. 4	.9	. 3	. 1	.4	.2	. 1	.0	.0
65/69	.0	.0	.0	.7	1.9	5.6	8.7	3.3	271	20.1	. 9	5.8	3.9	1.0	1.4	2.5	3.7	. 8	.0	.1
60/64	.0	.0	.1	1.0	10.1	15.9	19.9	9.6	762	56.6	2.4	8.5	9.0	5.2	6.0	9.7	13.2	2.6	.0	.1
55/59	.0	.0	.0	.2	5.2	8.2	4.3	2.3	273	20.3	. 2	. 8	2.6	3.1	5.4	5.5	2.4	.1	.0	.1
50/54	.0	.0	.0	. 2	.0	.1	.1	.1	- 8	.6	.0	.0	.0	.1	. 3	. 1	. 1	.0	.0	.1
TOTAL	0	0	2	31	241	413	451	209	1347	100.0										
PCT	.0	.0	. 1	2.3				15.5			3.6	15.6	16.4	9.6	13.1	18.2	19.6	3.5	.0	. 4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL DBS
75 71 68 63 57 55 53 62.7 757
73 72 70 64 59 56 55 64.2 489
71 68 66 61 57 55 54 61.5 717
71 67 55 61 56 54 53 60.7 518
75 71 58 62 57 55 53 62.2 2481 TABLE 16

	PERC	ENI FRE	MOENCA	OF RELA	ITAE H	UMIUITY	Bt HUU!	•
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	:0	3.0	17.9	28.6	34.9	15.7	79 75 80	364 319
18621	.0	1.3	16.1	31.1 30.3 421	31.9 39.4 462	19.6 18.8 218	82 79	373 330 1386

DECEMBER

PERIOD: (PRIMARY) 1912-1971 (DVER-ALL) 1854-1971

TABLE 17

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

53	57	61	65	69	73		TOT	W	WO
56	60	64	68	72	76			FOG	FOG
.0	.0	.0	.0	.1	.1		3	.0	.2
.0	.0	.0	.0	. 2	. 1		4	.0	. 3
	.0	.0	.3	. 4	.0				. 6
		.0	.4	.4	.0				. 8
			.6	. 9	.0				1.7
				. 3					2.7
									4.4
									7.2
	. 9			. 5					13.2
. 2	1.7			. 2					15.8
. 3							244	. 3	15.1
									13.5
							141		8.8
									5.6
. 8									4.6
. 2									2.0
									1.6
									.4
									.3
	• 0		• •		• •		,		1567
50	425	150	201	•	2		1506	10	1307
3.5	27.4	40.1	19.0	3.8	.1		100.0	1.1	98.9
	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00	56 60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .7 .3 .4 .5 .3 .3 .8 2.7 .2 1.1 .2 1.1 .3 .5 .3 .6 .3 .6 .6 .6 .6 .6 .6 .7 .6 .7 .6	56 60 64 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .0 .0 .1 .5 .0 .4 3.1 .0 .9 7.6 .3 6.3 6.0 .4 5.0 3.3 1.6 .8 2.7 1.0 .2 1.7 1.1 .3 4.5 5 6.0 .4 5.0 3.3 1.6 .8 2.7 1.0 .8 1.1 8.1 .9 3.3 1.6 .8 3.3 3.6 .8 3.3 3.6 .8 3.3 3.6 .8 3.7 1.0 .9 3.3 3.6 .8 3.7 1.0 .9 3.8 3.0 .9 3.8 3.0 .9 3.8 3.0 .9 3.0	56 60 64 68 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .0 .0 .0 .0 .4 .0 .0 .1 .6 .0 .0 .6 1.8 .0 .1 1.5 2.4 .0 .4 3.1 3.8 .0 .9 7.6 4.4 .2 1.7 11.1 2.8 .3 4.5 5.6 1.0 .3 6.3 6.0 .9 .4 5.0 3.0 5.5 .8 2.7 1.0 .1 .2 1.1 8 .0 .4 1.0 .1 8 .0 .4 1.0 .1 8 .0 .4 1.0 .1 8 .0 .4 1.0 .1 8 .0 .4 1.0 .1 .0 .5 3.0 .1 .0 .6 435	0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 3 4 0 0 0 0 4 4 0 0 0 1 6 9 0 0 6 1.8 3 0 1 1.5 2.4 4 0 4 3.1 3.8 1 0 9 7.6 4.4 2 3 4.5 5.6 1.0 0 3 6.3 3.0 5 0 3 6.0 9 1 4 5.0 3.0 5 0 2 7 1.0 1 0 2 11 8 0 0 2 3 0 0 1 1 8 0 2 1 7 1 0 1 0 2 1 1 8 0 0 0 1 0 2 3 0 0 0 0 3 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0	56 60 64 68 72 76 .0 .0 .0 .0 .0 .1 .1 .3 .0 .0 .0 .0 .2 .1 .4 .0 .0 .0 .0 .3 .4 .0 10 .0 .0 .0 .4 .4 .0 13 .0 .0 .1 .6 .9 .0 27 .0 .0 .6 1.8 .3 .0 44 .0 .1 1.5 2.4 .4 .0 70 .0 .4 3.1 3.8 .1 .0 118 .0 .9 7.6 4.4 .5 .0 212 .2 1.7 11.1 2.8 .2 .0 253 .3 4.5 9.6 1.0 .0 .0 244 .3 6.3 3.0 .5 .0 .0 141 .4 5.0 3.0 .5 .0 .0 .0 141 .5 3.3 1.6 .1 .0 .0 .0 88 .8 2.7 1.0 .1 .0 .0 .0 88 .8 2.7 1.0 .1 .0 .0 .0 88 .8 2.7 1.0 .1 .0 .0 .0 32 .1 1.8 .0 .0 .0 .0 32 .1 1.8 .0 .0 .0 .5 .2 3.0 .0 .0 .0 .0 .5 .3 .3 .1 .0 .1 .0 .0 .0 .0 .5 .3 .3 .1 .0 .1 .0 .0 .0 .0 .5 .4 1.0 .1 .0 .1 .0 .0 .0 .5 .5 3.3 .1 .0 .1 .0 .0 .0 .0 .5 .5 3.3 .1 .0 .1 .0 .0 .0 .0 .5 .5 3.3 .1 .0 .1 .0 .0 .0 .0 .5 .5 3.3 .1 .0 .1 .0 .0 .0 .0 .5 .5 3.3 .1 .0 .1 .0 .0 .0 .0 .5	56 60 64 68 72 76 FGG .0 .0 .0 .0 .0 .1 .1 .3 .0 .0 .0 .0 .2 .1 .4 .0 .0 .0 .0 .2 .1 .4 .0 .0 .0 .0 .0 .2 .1 .4 .0 .0 .0 .0 .0 .1 .6 .9 .0 .27 .0 .0 .0 .0 .1 .6 .9 .0 .27 .0 .0 .0 .1 .6 .9 .0 .27 .0 .0 .0 .1 .6 .9 .0 .27 .0 .0 .1 .5 .2 .4 .4 .0 .0 .70 .1 .0 .1 .1 .5 .2 .4 .4 .0 .0 .70 .1 .1 .5 .2 .4 .4 .0 .0 .70 .1 .1 .5 .2 .4 .4 .0 .0 .70 .1 .1 .5 .2 .4 .4 .0 .0 .1 .8 .3 .0 .2 .1 .1 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				4							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	. 3	. 1	.0	.0	• 0	.0	.4		. 2	.0	.0	.0	.0	.3
1-2	. 2	.3	.0	.0	.0	.0	. 5	.0	1.3	.0	.0	.0	.0	1.3
3-4	.0	. 2	.1	.0	.0	• 0	. 3	.2	1.2	2.8		.0	.0	4.2
5-6	.0	. 2	.0	. 1	.0	• 0	.3	.0	1.0	3.0		.0	.0	4.0
7	.0	.0	. 3	.0	.0	.0	.3	.0	.0	1.8	1.2	.0	.0	3.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	1.0	.2	.0	1.6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
TET PCT	. 5	. 9	. 5	. 1	.0	.0	2.0	.2	3.7	7.9	2.8	.2	.0	14.8
the state of the state of							2.0				2.0		. 0	14.0
				F							42			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
<1	.2	. 2	.0	.0	.0	.0	.4	. 2	. 2	.0	.0	.0	.0	. 4
1-2	. 1	2.4	.4	.0	.0	.0	3.0		4.5	.6	.0	.0	.0	5.1
3-4	. 2	3.0	5.6	. 3	.0	.0	9.0	.0	3.6	1.4	. 2	.0	.0	5.3
5-6	.0	.3	5.0	. 6	• 0	.0	6.0	.0	. 2	1.0	. 2	.0	.0	1.5
7	.0	.0	1.7	.0	.0	.0	1.7	.0	.0	. 8	.0	.0	.0	. 8
9-9	.0	.0	. 2	.2	.0	.0	. 4	.0	.0	. 2	.0	.0	.0	. 2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.0	.0	.0	. 2
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.2	.2	.0	.0	.4
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PET	.5	5.9	12.9	1.2	.0	.0	20.6	.3	8.0	4.4	.7	.0	.0	14.0
		2.7				•0	20.0	.,		4,4	• (.0	. 0	14.0

TABLE 18 (CONT)

AREA 0016 ESPERANCE BAY S 35.45 120.6E

DAT	LDEO DE	WIND	CAFER	14451	AND	DIDECTION	VEDCUC	CFA	HETCHTE	

				PC	T FREQ I	OF WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS !	SEA HEIG	HTS (FT)			
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.5	. 1	.0	.0	.0	.0	.6			1.0	.0	.0	.0	.0	1.1	
1-2	. 2	5.1	.9	.0	.0	.0	6.2		.0	3.1	1.1	.0	.0	.0	4.2	
3-4	.0	1.4	2.0	.0	• C	.0	3.4		.0	2.9	1.6		.0	.0	4.6	
5-6	.0	.9	2.3	. 2	.0	.0	3.4		.0	. 3	2.2		.0	.0	2.6	
7	.0	.0	.3	.0	.0	.0	.3		.0	.0		.4	.0	.0	1.5	
8-9	.0	.0	. 2	. 2	. 3	.0	. 7		.0	.0	. 2	*		.0	. 3	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	. 2	.0	. 2	.0	.0	. 4	
12	.0	.0	.0	. 2	. 2	.0	. 4		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.2	.0	. 2		.0	.0	.0	. 2	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	. 2	.0	2		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	.0	.0		• 0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.7	7.5	5.7	.6	. 9	.0	15.4			7.5	6.2	1.0		.0	14.8	
												****				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47		20.7		1-3	4-10	11-21	22-33	24 42		PCT	PCT
<1	.0	.5	.0	.0	•0	48+	PCT .5		1-3	*	.0	.0	34-47	48+		PLI
			.2							.4			.0	.0	. 1	
3-4	.0	1.5	2.1	.0	.0	• 0	2.8		.2	.2	.0	.0	.0	.0	.6	
5-6		.3	3.8	.3	.0	• 0	3.7			*	.7	.0	.0	.0	. 9	
7	.0		1.1	.3	.0	• 0	4.5		.0	.0	. 8	.0	.0	.0	. 9	
8-9	•0	.0	.5	.9	.0	• 0	1.4		.0	.0	*	.0	.0	.0	*	
10-11	.0	.0			.0	• 0	1.4		.0		*	.0	.0	.0	*	
12	.0	.0	:0	.6	• 0	• 0	1.0		.0	:0	.0	.0	.0	.0	.0	
13-16	.0		.0	.0	.0	• 0	. 2		.0		.0	.0	.0	.0	.0	
		.0			• 0	.0	.0			.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	• 0	• 0	.0		• 0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
TET PCT	.0	4.9	8.0	2.5	• 0	.0	15.5		• 2	. 7	1.6	.0	.0	.0	2.6	99.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

нот	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.5	3.0	.0	.0	.0	.0	5.5	003
1-2	1.0	19.6	3.0	.0	.0	.0	23.6	
3-4	. 4	13.7	16.0	. 8	.0	.0	30.9	
5-6	.0	3.2	17.9	1.5	.0	.0	22.7	
7	.0	.0	7.0	1.9	.0	.0	9.0	
8-9	.0	.0	1.7	2.3	.6	.0	4.6	
10-11	.0	. 2	. 4	1.3	.0	.0	1.9	
12	.0	.0	. 2	.4	. 2	.0	. 8	
13-16	.0	.0	. 2	.6	. 2	.0	1.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	. 2	.0	. 2	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								525
TOT PCT	3.8	19 A	44.5	8.8	1.1	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PFRICO	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
(SEC)																					HGT
<6	. 2	4.7	5.1	4.9	1.4	. 8	. 4	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	155	4
6-7	.0	. 4	3.6	7.5	9.0	3.5	2.3	1.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	239	7
9-9	.0	.1	1.8	3.5	5.7	5.3	4.1	2.5	1.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	205	8
10-11	.0	. 2	. 4	1.1	1.7	2.9	2.3	. 8	. 5	. 4	. 4	.0	.0	.0	.0	. 0	.0	.0	.0	88	9
12-13	.0	.0	. 2	. 2	. 2	1.3	1.7	1.4	. 7	. 4	.0	.0	. 1	.0	.0	.0	.0	.0	.0	53	10
>13	.0	.0	.0	. 1	. 2	.0	.6	. 5	.0	. 2	.1	.0	.0	.0	.0	.0	.0	.0	.0	15	11
INDET	1.2	1.3	1.9	1.6	2.2	1.0	. 2	.0	. 2	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	80	5
TOTAL	12	56	117	158	171	123	96	54	35	9	4	0	1	0	0	0	0	0	0	835	7
PCT	1 . 4	6.7	14.0	18.9	20.5	14.7	11.5	6.5	4.2	1.1	. 5	.0	.1	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1909-1972 (OVER-ALL) 1854-1972

TABLE 1

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

				/70	ENCER	, KEWO	E 110 1 0	ne a							
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SFRAY BLWG DUST BLWG SNOW	ND SIG WEA
N	2.5	1.9	. 9	.0	.0	.0	.0	5.3	1.0	2.6	1.0	.0	. 8	.0	89.6
NE	2.4	1.8	.9	.0	.0	.0		5.0	1.0	1.6	1.0	.0	1.0	*	90.6
E	3.1	3.0	1.9	.0	• 0	.0	.0	8.0	1.6	1.3	1.0	*	. 9	*	87.3
SE	3.3	2.9	1.7	.0	.0	.0	. 1	7.9	2.5	. 7	.6	.1	.6		87.9
S	1.8	4.8	1.8	.0	.0	.0	*	8.5	2.7	.7	1.0	.0	. 4	.1	86.7
SW	2.6	7.9	1.3	.0	.0	.0	. 1	11.8	3.2	.7	.7		. 4	*	83.3
W	4.1	9.0	1.7	.0	.0	.0	.1	14.9	3.8	1.4	.9	*	. 5	*	78.9
NW	3.8	4.4	1.6	.0	.0	.0	.1	9.8	1.9	2.1	. 9	.0	. 5	.0	85.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	. 8	.0	1.4	.0	.0	.0	.0	2.2	1.0	1.1	. 9	.0	1.8	.0	93.0
TUT PCT TOT OBS:	3.0	5.1	1.5	.0	•0	.0	.1	9.7	2.5	1.4	.9	•	.6		85.2

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNDW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
60300	3.0	6.0	1.5	.0	.0	.0		10.5	2.2	.4	1.1		.9	*	85.0
06609 12615	3.5	5.3	1.4	.0	•0	.0	.1	10.2	2.1	2.6	1.0	. 0	.6		84.2
18621	3.3	4.4	2.2	.0	.0	.0	*	9.8		2.4	.8	• 1	. 2	.1	84.2
TOT PCT	23752	5.1	1.5	.0	.0	.0	.1	9.6	2.4	1.4	. 9		.6	*	85.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	IN SPE	ED (KN	DTSI								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.5	3.3	3.6	1.4	. 2			9.0	13.4	10.2	10.8	7.6	8.5	7.1	9.3	8.4	11.0
NE	.4	3.9	6.3	2.2	.2			13.0	14.6	13.3	12.0	12.4	12.5	12.3	14.7	14.1	14.
E	. 6	4.1	4.9	.9	.1	.0		10.6	12.2	8.8	8.6	11.3	10.4	12.8	11.7	11.1	9.5
SE	. 4	3.3	2.4	. 4	. 1			6.5	11.4	6.1	5.7	6.8	5.4	7.5	5.8	7.3	5.6
S	.7	5.4	4.3	1.3	. 2			11.9	12.9	11.7	11.1	11.9	11.5	12.7	12.8	12.6	10.5
SW	.5	5.8	7.7	4.0		.1		19.1	16.4	18.0	18.6	18.9	20.4	20.1	18.6	18.5	19.6
W	.6	4.9	7.6	4.5		. 2		19.1	17.0	19.2	20.1	21.3	20.0	18.5	17.0	17.5	18.1
NW	. 4	3.2	3.8	1.7				9.5	13.9	11.5	11.3	9.4	9.1	7.3	8.0	9.1	9.5
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.4							1.4	.0	1.1	1.8	. 5	1.3	1.5	2.1	1.4	1.5
TOT DBS	-						32117		14.6	6487	3540						2631
TOT PCT	5.5	33.8	40.7	16.3	3.4	. 3		100.0		100.0	100.0	100.0		100.0			

TABLE 3A

		WIND								ноия		
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						DBS	FREQ	SPD	03	09	15	21
N	1.6	4.1	2.5	. 5			9.0	13.4	10.4	8.0	7.7	9.4
NE	1.7	6.0	4.6	.7	*		13.0	14.6	12.8	12.4	13.0	14.0
F	2.0	5.7	2.7	. 2			10.6	12.2	8.7	10.9	12.5	10.5
SE							6.5	11.4				
3.0	1.7	3.5	1.1	. 2	- 7				5.9	6.7	7.1	6.6
5	2.8	6.0	2.5	.6	. 1		11.9	12.9	11.5	11.7	12.7	11.8
SW	2.6	7.9	5.8	2.3	. 4		19.1	16.4	18.3	19.5	19.7	18.9
W	2.4	7.0	6.4	2.8	.5		19.1	17.0	19.5	20.8	18.2	17.9
NW	1.6	4.1	2.7	. 9	.1		9.5	13.9	+17.4	9.3	7.5	9.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4						1.4	.0	1.4	. 8	1.7	1.6
TOT DAS						32117		14.6	10027	6364	9242	6484
THE PET	17.9	44.7	28.3	8.4	1.2		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1909-1972 (DVER-ALL) 1854-1972

TABLE 4

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED 22-33	(KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL
00803	1.4	4.5	33.4	40.5	16.2	3.6	. 3	14.6	100.0	10027
06609	. 8	3.3	31.1	42.8	17.8	3.8	. 4	15.4	100.0	6364
12615	1.7	4.3	35.4	39.0	15.8	3.4	. 4	14.4	100.0	9242
18621 TOT	1.6	4.1	34.5	41.1	15.6	2.9	. 2	14.3	100.0	6484
PCT	1.4	4.1	33.8	40.7	16.3	3.4	. 3		100.0	

TABLE 5

TABLE 6

P	CT FRE			LOUD A		EIGHTHS)		,					CEILIN NH <5/					
WHO DIR	0-2	3-4	5-7	8 £	TUTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	2.7	1.1	2.6	1.7		4.2	.0	*	.1	. 4	1.1	.6	. 4	. 2	. 1	.1	5.2	
NE	4.9	2.1	3.7	2.3		4.1	.0	*	. 1	. 8	1.5	1.1	. 5	.2	.1	. 1	8.6	
=	2.8	1.5	4.1	2.8		5.0		*	. 1	. 9	2.0	1.3	. 7	. ?	*	. 1	5.7	
SF	1.0	1.1	2.7	2.2		5.5		*	. 1	. 7	1.5	1.1	. 5	. 1	*		3.0	
5	1.9	2.3	5.3	2.9		5,3			. 1	1.0	2.6	1.8	. 9	. 3	. 1	.1	5.6	
SW	3.4	4.2	7.9	3.4		5.0		*	. 2	1.5	3.6	2.1	1.2	. 4	*	. 1	9.8	
W		3.8	7.7	3.6		4.8			. 3	1.7	3.3	1.6	1.0	. 4	.1		10.8	
NW	2.5	1.6	3.2	1.6		4.5		.0	.1	.6	1.3	. 7	. 4	. 2		.1	5.6	
VAR	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM TOT DBS	.4	.1	. 2	.?	13969	3.9	.0	.0	*	. 1	.1	.1			.0	*	.6	13969
TOT PCT	23.9	17.7	37.6	20.8	100.0		. 1	• 1	1.0	7.7	17.0	10.4	5.7	2.0	.4	. 8	54.9	100.0

TABLE 7

CUMULATIVE PCT F	RFO	OF SIMULTANEOUS OCCURRENCE
DE CEILING HEI	GHT	(NH >4/8) AND VSBY (NM)

					VSBY (NM)			
	CEILING	= DR	= DR	= DR	= DR	= OR	= OR	= OR	a DR
	(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
,	■ DR >6500	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	■ DR >5000	2.7	3.1	3.1	3.2	3.2	3.2	3.2	3.2
	■ DR >3500	7.6	8.7	8.8	8.9	8.9	8.9	8.9	8.9
-	■ DR >2000	16.5	18.9	19.2	19.2	19.2	19.2	19.2	19.3
,	■ DR >1000	30.2	35.3	36.0	36.1	36.1	36.1	36.1	36.2
	■ DR >600	35.4	42.5	43.6	43.7	43.7	43.7	43.7	43.7
	■ DR >300	35.8	43.4	44.5	44.7	44.7	44.7	44.8	44.8
	■ DR >150	35.9	43.5	44.6	44.8	44.8	44.8	44.9	44.9
	- DR > 0	35.9	43.6	44.7	44.9	44.9	44.9	44.9	44.9

TOTAL NUMBER OF OBS: 14230 PCT FREQ NH C5/81 55.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD OBS 10.7 11.6 11.7 11.0 9.4 7.9 9.7 11.5 16.5 * 15620

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PERIOD: (PRIMARY) 1 (OVER-ALL) 1							TA	BLE 8				ARE	A 0016 ESPERANCE BAY S 35.45 120.6E	
		P	ERCENT	FREQ PREC				VS DCC YING V					E DF	
VSBY (NM)		N	NE	F	SF	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
	PCP	.0	.0	.0	.0				.0	.0	.0			
<1/2	NO PCP	.0			*				.0	.0		. 1		
	TOT %	•0	*		*		*	*	.0	.0	*	.1		
	PCP	*								.0	- 0	.1		
1/2<1	NO PCP	• 1	. 1					. 1	*	.0	- 0	. 4		
•	TOT %	• 1	. 1	.1			• 1	. 1	*	.0	.0	. 5		
	PCP				.0					.0	.0	. 2		
1<2	NO PCP	*	• 1	. 1				. 1		.0		. 4		
	TOT X		• 1	.1	*	.1	. 1	. 1		.0		. 6		
	PCP			. 1			. 1	. 2	. 1	.0		.6		
2<5	NO PCP	• 1	• 1			.1	.1	.1	. 2	.0		. 6		
	TOT %	• 1	• 1	. 1	. 1	• 1	. 2	. 3	. 2	.0		1.2		
	PCP	. 3	.4	.4	. 3	. 6	1.5	2.1	.6	.0		6.3		
5<10	NO PCP	2.4	3.7	2.9	1.7	3.4	5.7	5.0	2.4	.0	. 2	27.4		
	TOT %	2 . 8	4.1	3.3	2.1	4.0	7.2	7.1	3.0	.0	. 2	33.7		
	PCP	.2	• 1	. 1	.1	. 3	.6	. 8	.3	.0		2.5		
10+	NO PCP	5.4	8.3	7.1	4.4	7.5	11.1	11.0	6.0	.0	. 7	61.5		
	TOT %	5.5	8.4	7.2	4.5	7.9	11.7	11.8	6.3	.0	.7	64.0		
	TOT OBS	8.5	12.9	10.8	6.7	12.1	19.2	19.4	9.5	.0	.9	100.0	23141	

TABLE 9

				PERCEN	T FRES	ARYING	ND DIF	S OF V	VS WI	ND SPE ITY	ED			
VSBY (NM)	SPD	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL DBS	
	0-3	.0	.0	.0	. 0	.0	*		.0	.0				
<1/2	4-10	.0	.0					*	.0	.0				
	11-21	.0	*	*	.0		*	*	.0	.0				
	22+	.0	.0	.0	.0		*	*	.0	.0				
	TOT %	.0	*		*		*		.0	.0		. 1		
	0-3		*		.0		*	.0	.0	.0	.0			
1/2<1	4-10	*	*				*			.0		.2		
	11-21	*					*	*		.0		. 2		
	22+	*			.0	.0		*		.0		.1		
	TOT %	7.1	• 1	.1		*	. 1	.1	•	.0	.0	.4		
	0-3	*			*					.0		.1		
1<2	4-10	*	*	*	*	*				.0		. 2		
	11-21	*				*	*	*		.0		. 2		
	22+	*	*			*		. 1		.0		.2		
	TOT %	. 1	• 1	. 1		. 1	. 1	. 1	. 1	.0	•	.7		
	0-3		.0	.0	.0	.0		.0		.0		.2		
2<5	4-10		*		*	*	*			.0		. 2		
	11-21		. 1	. 1	*		.1	. 1	. 1	.0		. 5		
	22+	*	*			*	. 1	. 2	. 1	.0		. 5		
	TOT %	. 1	• 1	. 1	. 1	. 1	.2	. 3	. 2	.0		1.2		
and the same	0-3	.1	1.	. 2	. 2	. 2	.2	. 2	. 1	.0	. 2	1.5		
5<10	4-10	. 8	1.1	1.1	. 7	1.5	1.7	1.2	. 8	.0		8.9		
	11-21	1.1	1.9	1.5	. 8	1.4	2.6	2.5	1.1	.0		13.0		
	22+	.6	. 8	. 4	. 2	.7	2.2	2.7	. 8	.0		8.4		
	TOT %	2.6	3.9	3.2	1.9	3.8	6.7	6.6	2.8	.0	. 2	31.7		
	0-3	.3	.3	.3	.3	.4	.3	.4	. 3	.0	. 9			
10+	4-10	2.2	2.6	3.0	2.5	3.9	4.0	3.5	2.3	.0		24.1		
	11-71	2.4	4.5	3.7	1.5	3.0	5.1	5.2	2.6	.0		28.0		
	22+	. 9	1.3	.5	. 2	.7	2.5	2.9	1.2	.0		10.3		
	TOT %	5.8	8.8	7.5	4.5	8.1	11.9	12.0	6.4	.0	. 9	65.7		
1	OT DAS							19.1	9.5			100.0	25218	
1	UI PCI	8.6	13.0	11.0	6.6	12.1	19.1	17.1	7.2	.0	1.1	100.0		

PERIOD: (PRIMARY) 1909-1972 (OVER-ALL) 1854-1972

TABLE 10

AREA 0016 ESPERANCE BAY S 35.45 120.6F

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND DCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600	1000		3500 4999		6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.1	. 2	1.1	9.0	19.3	11.6	6.2	2.1	.4	1.0	50.9	49.1	3733
90300		.1	.9	7.0	14.8	9.3	5.7	1.7	.4	.5	40.4	59.6	3855
12815	.1	.1	.9	6.2	14.9	8.9	4.6	1.8	.4	. 8	38.5	61.5	3714
18621	.2	. 1	1.0	6.9	15.7	9.8	5.5	1.9	.5	.7	42.3	57.7	3595
TOT	.1	.1	1.0	7.3	16.2	9.9	5.5	1.9	.4	.8	43.0	57.0	14897

TABLE 11

TABLE 12

								CUMULAT	IVE PCT	FREQ	OF RAN	GES DE	VSBY (NM)	AND/DE
		PERCENT	FREQUEN	ICY VSB	Y (NM)	BY HOUR			CEILIN	IG HGT	(FEET,	NH >4/8	1), BY HOUR	i.
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DRS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ 4ND5+	NH <5/8 AND 5+	TOTAL
00803	.1	.6	•7	1.1	33.9	63.6	7291	00803	.1	1.5	11.9	41.3	46.9	3589
06609	.1	.4	. 5	1.4	25.9	71.7	5516	90390		1.2	9.5	32.8	57.6	3681
12615	.1	.5	1 • 2	1.4	37.1	59.8	7415	12615	.1	1.0	8.7	32.1	59.2	3529
18621	.1	.4	.4	1.2	28.9	69.1	5602	18821	.2	1.4	9.7	34.8	55.5	3431
TOT PCT	.1	.5	. 8	1.2	32.0	65.5	25824 100.0	PCT	.1	1.3	9.9	35.3	54.8	14230

TABLE 1

TABLE 1

						-														
	PERCE	NT FRE	QUENC	Y DF R	ELATIV	E HUMI	TTY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTION	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
75/79	.0	.0						.0		.1				.0				.0	.0	.0
70/74	.0			. 1	. 4	.4	.5	. 1		1.5	.2	.3	. 3	• 1	. 1	. 1	. 2	. 1	.0	
65/69	.0		. 1	.5	2.0	4.5	7.2	3.9		18.2	1.8	4.6	3.5	1.0	1.3	2.1	2.3	1.4	.0	. 2
60/64	.0		. 2	1.5	7.6	11.7	12.0	4.9		37.9	3.9	5.0	4.6	2.8	4.1	6.0	7.1	4.0	.0	. 4
55/59	.0	.0	. 1		6.4	11.4	10.3	4.1		33.5	2.3	2.6	2.3	2.1	4.3	7.9	8.2	3.5	.0	. 4
50/54	.0	.0			2.3	2.1	2.4	1.0		8.5	. 2	. 2	. 3	. 6	2.1	2.9	1.7	. 3	.0	.1
45/49	.0	.0	.0		.1	.1	.1	. 1		.3	.0	.0	.0		. 1	.1	. 1		.0	.0
TOTAL									17803	100.0										
PCT	.0		.3	4.2	18.8	30.2	32.5	14.1	7 11 501112		8.3	12.8	11.0	6.6	12.0	19.2	19.6	9.3	.0	1.1

TARLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOU	R
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS	HOUR (GM1)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	79 78	69	66	61	55	53	46	60.9	9907	00603	.0	7.1	18.1	28.8	33.1	15.4	78 75	4923
12615	77	68	65	60	55	53	47	60.2	9287	12815	.0	3.2	16.3	31.0	34.5	15.1	79	4989
18621 TOT	73	69	66	61	54 55	52 53	47	59.6	6584 32083	18621	.0	837	3409	28.5 5486	34.4 5895	2580	79 78	4210 18207

ANNUAL

PERIOD: (PRIMARY) 1909-1972 (OVER-ALL) 1854-1972

TABLE 17

AREA 0016 ESPERANCE BAY S 35.45 120.6E

PCT FREQ OF AIR	TEMPERATURE (DEG	F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
	VS AIR-SEA	TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	45	49	53	57	61	65	69		77	TOT	W	WD
TMP DIF	48	52	56	60	64	68	72	76	80		FOG	FOG
14/16	.0	.0	.0	.0	.0	.0	.0		.0	2	.0	
11/13	.0	.0	.0			*	*	:		18	.0	.1
9/10	.0	.0					*			32	.0	.1
7/8	.0	.0		. 1	.1	. 1	. 1	. 1	.0	95		. 5
6	.0	.0	.0	*	:1	.1	.1		.0	97		. 5
5	.0	.0	.0	. 1	. 3	.4	. 3		.0	218		.5 .5 1.1
4	.0	.0		.2	. 6	.7	.4		.0	372		1.9
3	. 0	.0	. 1	.6		1.4	. 5		.0	768	. 1	3.8
3 2 1	.0	.0	. 1	1.6	2.2	2.1	. 5		.0	1301	. 1	6.5
1	.0	.0	.3	2.8	3.3	3.3	.4	.0	.0	1972	. 2	9.8
0	.0		.7	4.3	4.7	3.4	.2		.0	2648	. 2	13.2
-1	.0		1.6		5.0	2.4	. 1	.0	.0	2767	. 1	13.8
-2	.0	. 1	2.1	4.2	4.3	1.5		.0	.0	2403	. 1	12.0
-3	.0	. 2	2.6	4.0	3.3	.7	*	.0	.0	2150	. 1	10.7
-4	.0	. 4	2.5	3.1	2.1	. 3	*	.0	.0	1632	. 1	8.2
-5		. 6	1.9	2.3	1.3	. 1		.0	.0	1229		6.2
-6	*	.6	1.4	1.4	.7	. 1	.0	.0	.0	796		4.0
-7/-8	*	. 7	1.7	1.4	. 4	*		.0	.0	837		4.2
-9/-10		. 3	. 8	.4	.1	.0	.0	.0	.0	317	.0	1.6
-11/-13	*	.3	.3	. 1		*	.0	.0	.0	139		. 7
-14/-16	*	*		*	.0	.0	.0	.0	.0	20	.0	.7
TOTAL										19813		
PCT	. 1	3.1	16.1	31.2	29.7	16.8	2.7	.3		100.0	1.1	98 9

PERIOD: (DVER-ALL) 1963-1972

TABLE 18

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	. 1	.4		.0	.0	.0	. 5	. 1	. 3		.0	.0	.0	.5
1-2	. 1	1.3	.3	.0	.0	.0	1.7	. 1	1.6	.6	.0	.0	.0	2.3
3-4	.0	. 8	1.4	.1	.0	.0	2.3		1.1	2.5	.1	.0	.0	3.7
5-6	.0	.2	1.3	.3		.0	1.8	.0	. 3	2.7	.4	.0	.0	3.5
7	.0		. 5	.3		.0	.8	.0		1.2	.6		.0	1.8
8-9	.0		.1	.3		.0	. 4	.0			.6	:	.0	.9
10-11	.0	.0	.1	.1	.1	.0	.2	.0		.1	.3		.0	.5
12	.0	.0				.0	.1	.0	.0	• •	.1		.0	.2
13-16	.0	.0	.0			.0	*	.0	.0	.0				
17-19	.0	.0	.0	.0		.0	:	.0			.1	.0	.0	. 1
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	• 0		.0	.0	.0	.0	.0
49-60	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
71-36		.0			.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.7	3.7	1.1	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
TUT PCT	• 2	2.7	3.1	1.1	.2	• 0	7.9	.3	3.3	7.4	2.2	. 1	.0	13.3
				E							SE			
HGT	1-3	4-10	11-21	27-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	. 1	. 4		.0	.0	.0	.6	. 1	.3		.0	.0	.0	.4
1-2	. 1	1.9	.6	.0	.0	.0	2.6	• 1	1.9	. 3	.0	.0	.0	2.3
3-4		1.3	2.3	. 1	.0	.0	3.8		1.1	1.1	.1	.0	.0	2.3
5-6		. 3	2.4	.3	.0	.0	3.0	.0	. 2	1.0	. 1	.0	.0	1.3
7	.0		. 8	. 2		.0	1.1	.0		. 3	. 1	.0	.0	. 4
8-9	.0	.0	.2	. 2	.0	.0	.4	.0		. 1		.0	.0	. 2
10-11	.0	.0				.0	. 1	.0	.0			.0	.0	.1
12	.0		.0			.0		.0	.0				.0	.1
13-16	.0	.0	.0			.0		.0	.0			.0	.0	.1
17-19	.0		.0	.0	.0	.0		.0	.0	.0		.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0
49-50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0
87+			.0			• 0	.0	.0	.0	.0	.0	.0	.0	.0
TUT PCT	.0	3.9	6.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TUT PET	. 3	3.9	0.4	. 8	• 1	.0	11.5	. 3	3.5	8.5	.5		.0	7.1

ANNUAL

O: (DVER-ALL) 1963-1972

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

								KTS) AND DIREC							
				S							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	. 3	. 4	.0	.0	.0	.0	. 7	.1	. 5		.0	.0	.0	.6	
1-2	. 2	2.5	.5	.0	.0	.0	3.3	.2	2.3	.6	.0	.0	.0	3.1	
3-4	.0	1.7	1.8	. 1	.0	.0	3.6		1.9	2.6	.3	.0	.0	4.8	
5-6	.0	.4	1.7	.3	.0	.0	2.4	.0	.5	2.8	.7	. 1	.0	3.9	
7	.0		. 8	. 2		.0	1.1	.0	. 1	1.4	. 9	.1		2.6	
R-9	.0	.0	. 1	. 2	.1	.0	. 4	.0		.5	. 8	. 2	.0	1.5	
10-11	.0	.0		. 1		.0	. 2	.0		. 2	.4	. 1	.0	. 7	
12	.0		*	.1		.0	. 1	.0	*	. 1	. 2			.3	
13-16	.0	.0	.0	*		.0	. 1	.0	.0		.1	. 2		. 3	
17-19	.0	.0	.0	.0		.0		.0	.0	.0	. 1			.2	
20-22	.0	.0	.0	*		.0		.0	.0	.0		.1	.0	. 1	
23-25	.0	.0	.0	.0		.0		.0	.0	.0	.0	.1	.0	. 1	
26-32	.0	.0	.0	.0				.0	.0	.0		. 1	. 1	.1	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.5	5.1	4.9	1.1	.2	*	11.8	.3	5.4	8.1	3.6	. 9	.1	18.4	
				W							NW				TOTAL
HGT															
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	1-3	4-10	11-21		34-47	48+		1-3	4-10	11-21	22-33				
	. 1			22-33		.0	.5				22-33	.0	.0	.3	
<1		2.1	.0	22-33	.0	•0	2.8	.1	1.4	.3	.0	.0	.0	1.8	
<1 1-2	.1	. 4	.0	22-33	.0	.0	.5 2.8 4.4	•1	.2		22-33	.0	.0	1.8 2.7	
<1 1-2 3-4	.1	2.1 1.6	.0 .6 2.5 3.2	22-33 .0 .0 .3	.0 .0	.0	.5 2.8 4.4 4.5	.1 .1	1.4	.3 1.5 1.5	22-33	.0	.0	.3 1.8 2.7 2.1	
<1 1-2 3-4 5-6	.1 .1 *	2.1 1.6	.0 .6 2.5 3.2	22-33 .0 .0 .3 1.0	.0 .0 .0	.0	.5 2.8 4.4 4.5 3.2	•1 •1 •	1.4	.3 1.5 1.5	22-33	.0	.0	.3 1.8 2.7 2.1 1.3	
<1 1-2 3-4 5-6 7 8-9	.1 .1 .0 .0	2.1 1.6 .3	.0 .6 2.5 3.2 1.4	22-33 .0 .0 .3 1.0 1.4	.0 .0 .0 *	.0	.5 2.8 4.4 4.5 3.2 1.4	•1 •1 •0 •	.2 1.4 .9 .2	.3 1.5 1.5	22-33	.0 .0 .0	.0	.3 1.8 2.7 2.1 1.3	
1-2 3-4 5-6 7 8-9 10-11	.1 .1 .0 .0	2.1 1.6 .3 .1	.0 .6 2.5 3.2	22-33 .0 .0 .3 1.0 1.4	.0 .0 .0 *	.0	2.8 4.4 4.5 3.2 1.4 1.0	.1 .1 * .0 *	.2 1.4 .9 .2 *	.3 1.5 1.5 .7	22-33 .0 .0 .2 .4 .5 .4	.0	.0	.3 1.8 2.7 2.1 1.3 .6	
<1 1-2 3-4 5-6 7 8-9 10-11 12	.1 .1 .0 .0 .0 .0 .0	2.1 1.6 .3 .1 *	.0 .6 2.5 3.2 1.4	22-33 .0 .0 .3 1.0 1.4 .9 .6	.0 .0 .0 * .3 .1	.0	2.8 4.4 4.5 3.2 1.4 1.0	.1	.2 1.4 .9 .2 *	1.5 1.5 1.5 .7	22-33 .0 .0 .2 .4 .5 .4	.0 .0 .0 .1 .1	.0	.3 1.8 2.7 2.1 1.3 .6	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16	.1 .1 * .0 *	2.1 1.6 .3 .1	.0 .6 2.5 3.2 1.4 .4	22-33 .0 .0 .3 1.0 1.4 .9 .6 .3	.0 .0 .0 * .3 .1 .2	.0	2.8 4.4 4.5 3.2 1.4 1.0	.1 .1 .0 .0	.2 1.4 .9 .2 *	.3 1.5 1.5 .7	22-33 .0 .0 .2 .4 .5 .4 .1	.0 .0 .0 .1 .1	.00000000000000000000000000000000000000	.3 1.8 2.7 2.1 1.3 .6 .2	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19	.1 .1 * .0 * .0 .0 .0	2.1 1.6 .3 .1 *	.0 .6 2.5 3.2 1.4 .4 .1	22-33 .0 .0 .3 1.0 1.4 .9 .6	.0 .0 .0 ** .3 .1 .2 .1	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2.8 4.4 4.5 3.2 1.4 1.0	.1 .1 .0 .0 .0 .0	.2	.3 1.5 1.5 .7 .1	22-33	.0 .0 .0 .1 .1	.0	.3 1.8 2.7 2.1 1.3 .6 .2 .1	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	.1 .1 * .0 * .0 .0 .0 .0	2.1 1.6 .3 .1 *	.0 .6 2.5 3.2 1.4 .4 .1 *	22-33 .0 .0 .3 1.0 1.4 .9 .6 .3 .2	.0 .0 .0 * .3 .1 .2 .1 .3	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.5 2.8 4.4 4.5 3.2 1.4 1.0 .5 .5	.1 .1 .0 .0 .0 .0 .0	.2	.3 1.5 1.5 .7 .1	22-33 .0 .0 .2 .4 .5 .4 .1 .1	.0	.0	.3 1.8 2.7 2.1 1.3 .6 .2 .1	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.1 .1 .0 .0 .0 .0 .0 .0	2.1 1.6 .3 .1 * .0 .0	.0 .6 2.5 3.2 1.4 .4 .1 *	22-33 .0 .0 .3 1.0 1.4 .9 .6 .3 .2	.0 .0 .0 * .3 .1 .2 .1 .3	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.5 2.8 4.4 4.5 3.2 1.4 1.0 .5 .5	.1 .0 .0 .0 .0 .0	.2	.3 1.5 1.5 1.5 .7 .1 *	22-33	.0	000000000000000000000000000000000000000	.3 1.8 2.7 2.1 1.3 .6 .2 .1 .1	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.1 .1 * .0 .0 .0 .0 .0 .0	2.1 1.6 .3 .1 * * .0 .0 .0	.0 .6 2.5 3.2 1.4 .4 .1 *	22-33 .0 .0 .3 1.0 1.4 .9 .6 .3 .2	.0 .0 .0 ** .3 .1 .2 .1 .3 .1	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.5 2.8 4.4 4.5 3.2 1.4 1.0 .5 .5 .2	.1 .0 .0 .0 .0 .0	.2	.3 1.5 1.5 1.5 .7 .1 	22-33	.0 .0 .0 .0 .1 .1 .1 .1	000000000000000000000000000000000000000	.3 1.8 2.7 2.1 1.3 .6 .2 .1 .1	
<pre><1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40</pre>	.1 .1 * .0 * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2.1 1.6 .3 .1 * * .0 .0 .0 .0	.0 .6 2.5 3.2 1.4 .1 * *	22-33 .0 .0 .3 1.0 1.4 .9 .6 .3 .2 .1	.0 .0 .0 * .3 .1 .2 .1 .3 .1	.0	.5 2.8 4.4 4.5 3.2 1.4 1.0 .5 .5 .2 .1	.1 .1 .0 .0 .0 .0 .0	.2	.3 1.5 1.5 1.5 .7 .1 	22-33	.0 .0 .0 .0 .1 .1 .1 .1 .1		.3 1.8 2.7 2.1 1.3 .6 .2 .1 .1 *	
<pre><1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48</pre>	.1 .1 * .0 * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2.1 1.6 .3 .1 * .0 .0 .0 .0	.0 .6 2.5 3.2 1.4 .1 *	22-33 .0 .3 1.0 1.4 .9 .6 .3 .2 .1	.0 .0 .0 * .3 .1 .2 .1 .3 .1 .1	.0	.5 2.8 4.4 4.5 3.2 1.4 1.0 .5 .5 .2 .1	.1 .1 .0 .0 .0 .0 .0 .0	.2 1.4 .9 .2 * .0 .0 .0 .0 .0 .0	* .3 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	22-33	.0	000000000000000000000000000000000000000	.3 1.8 2.7 2.1 1.3 .6 .2 .1 .1 *	
<pre><1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 26-32 33-40 41-48 49-60</pre>	.1 .1	2.1 1.6 .3 .1 * .0 .0 .0 .0	.0 2.5 3.2 1.4 .4 .1 *	22-33 .0 .0 .3 1.0 1.4 .9 .6 .3 .2 .1 .0 .0 .0	.0 .0 .0 * .3 .1 .2 .1 .3 .1 .1	.0	.5 2.8 4.4 4.5 3.2 1.4 1.0 .5 .5 .2 .1	.1 .1 .0 .0 .0 .0 .0 .0 .0	.2 1.4 .9 .2 * .0 .0 .0 .0 .0 .0 .0	.3 1.5 1.5 1.5 .7 .1 .0 .0	22-33 .0 .0 .2 .4 .5 .4 .1 .1 .0 .0 .0 .0	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.3 1.8 2.7 2.1 1.3 .6 .2 .1 .1 *	
<1 1-2 3-4 5-6 7 8-9 10-11 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.1 .1	2.1 1.6 3.3 .1 * .0 .0 .0 .0 .0 .0	.0 .6 2.5 3.2 1.4 .4 .1 * *	22-33 .0 .0 .3 1.0 1.4 .9 .6 .3 .2 .1 .1 *	.0 .0 .0 .3 .1 .2 .1 .3 .1 .1 .1	.00.00	2.8 4.4 4.5 3.2 1.4 1.0 5.5 .2 .1	.1 .0 .0 .0 .0 .0 .0 .0 .0 .0	.2 1.4 .9 .2 .* .0 .0 .0 .0 .0 .0 .0	* 3 1.5 1.5 1.5 1.5 1.5 0.0 0.0 0.0	22-33 .0 .0 .2 .4 .5 .4 .1 .1 .0 .0 .0 .0	.0	.0	.3 1.8 2.7 2.1 1.3 .6 .2 .1 1.1 *	
<pre><1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 61-70 71-86</pre>	.1 .1	2.1 1.6 3 .1 * .0 .0 .0 .0 .0 .0	.0 .6 2.5 3.2 1.4 .4 .1 .0 .0 .0 .0	22-33 .0 .0 .3 1.0 1.4 .9 .6 .3 .2 .1	.0 .0 .0 .0 .1 .2 .1 .1 .1 .1 .0 .0	.00	5 8 4 4 4 4 5 5 3 . 2 1 1 4 1 . 0 5 5 . 2 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0	.2 1.4 .9 .2 * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	* 3 1.5 1.5 1.5 1.5 1.5 0.0 0.0 0.0	22-33 .0 .0 .2 .4 .5 .4 .1 .1 .0 .0 .0 .0 .0	.0	.0	.3 1.8 2.7 2.1 1.3 .6 .2 .1 .1 .*	
<1 1-2 3-4 5-6 7 8-9 10-11 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.1 .1	2.1 1.6 3.3 .1 * .0 .0 .0 .0 .0 .0	.0 .6 2.5 3.2 1.4 .4 .1 * *	22-33 .0 .0 .3 1.0 1.4 .9 .6 .3 .2 .1 .1 *	.0 .0 .0 .3 .1 .2 .1 .3 .1 .1 .1	.00.00	2.8 4.4 4.5 3.2 1.4 1.0 5.5 .2 .1	.1 .0 .0 .0 .0 .0 .0 .0 .0 .0	.2 1.4 .9 .2 .* .0 .0 .0 .0 .0 .0 .0	* 3 1.5 1.5 1.5 1.5 1.5 0.0 0.0 0.0	22-33 .0 .0 .2 .4 .5 .4 .1 .1 .0 .0 .0 .0	.0	.0	.3 1.8 2.7 2.1 1.3 .6 .2 .1 1.1 *	

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.0	3.0	.1	.0	.0	.0	6.1	DBS
1-2	1.0	15.0		.0	.0	.0	19.7	
3-4			3.7	1.2	.0	.0		
5-6	• 2	10.3	15.6				27.3	
	*	2.3	16.4	3.5	.1	.0	22.3	
7	*	. 4	6.9	4.1	. 5		12.0	
8-9	*	. 1	1.7	3.3	.5	.0	5.6	
10-11	*	. 1	. 5	1.8	. 5	*	2.9	
12	.0	. 1	. 2	. 9	. 3		1.4	
13-16	.0	.0	. 1	.6	.6		1.3	
17-19	• 0	. 1		.2	.2		. 5	
20-22	.0	.0	.0		. 2		. 2	
23-25	.0	.0	.0	.0	.3	.0	. 3	
26-32	.0	.0	.0	.1	.2	.1	.3	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60				.0	.0	.0	.0	
61-70	.0	.0	.0					
	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								7814
TOT PCT	4.3	31.2	45.3	15.7	3.3	. 3	100.0	

PERIOD: (OVER-ALL) 1949-1970

TABLE 19

PERIOD	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
(SEC)																					HGT
<6	.6	3.3	5.4	3.3	1.8	. 9	. 5	. 1	. 2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1877	4
6-7	*	. 2	3.2	5.7	5.9	3.2	2.1	1.0	. 9	. 2	. 1	. 1	. 1		.0	.0	.0	.0	.0	2608	7
8-9		. 1	1.1	3.7	5.8	5.3	3.8	1.9	1.8	.5	. 4	. 1	. 1	.0	.0	.0	.0	.0	.0	2833	9
10-11	.0	. 1	. 4	1.3	2.6	3.0	2.6	1.7	2.1	.6	. 4	.1	. 2		.0	.0	.0	.0	.0	1763	10
12-13	.0	.0	. 2	. 4	.7	1.2	1.5	1.1	1.7	. 4	. 4	. 2	. 3		.0	.0	.0	.0	.0	935	12
>13	.0	.0	.0	. 1	. 2	.5	.6	.5	. 8	. 2	.3	. 2	. 4		.0	.0	.0	.0	.0	459	14
INDET	. 7	1.0	1.2	1.3	1.7	1.3	1.0	. 4	. 6	. 2	. 1			.0	.0	.0	.0	.0	.0	1100	7
TOTAL																				11575	8
PCT	1.3	4.7	11.4	15.9	18.7	15.3	11.9	6.8	8.1	2.1	1.7	. 7	1.2		.0	.0	.0	.0	.0	100.0	

. . .

1854-19	972					TABL	E 20						35.45	120.6E
			PERCEN	T FRE	QUENCY	OF 00	CURRENC	E OF	SEA TE	MP (DE	; F) B	Y MONTH		
SEA THP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	ő	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	o	.0
83/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	o	.0
79/80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	o	.0
77/78		.0	.0	.0	.0	.0	.0	.0		.0	.0		2	
75/76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
73/74		.1	.2	.1	.1	.0	.0	.0	.0	.0	.0		15	.1
71/72	.6	. 8	1.3	.9	.4	.2		*	.0	.0	.0	.1	109	.4
69/70	3.3	6.6	4.6	2.8	1.6	.7	.4	.1	*		.0	. 9	530	1.9
67/68	13.1	28.1	24.0	10.1	5.8	3.7	1.4	. 9	.5	.2			2334	
65/66	32.8	39.6		27.5	13.4	8.8	5.5	2.2		1.8	3.9	14.6		8.2
63/64	35.8	21.0		36.8	30.6	16.0	10.6	6.8	4.9	5.1	13.8	32.6	4720 5799	16.6
61/62	11.9	3.3		16.6			16.0	12.7		14.7			4880	20.4
59/60					29.1	26.4					27.7	32.8		17.2
57/58	2.1	.4	.6	3.8	15.3	28.3	29.6	25.2		29.8	34.3	11.9	4682	16.5
55/56	. 2	. 2	. 1	.6	3.0	12.4	24.3	33.0	35.7	32.6	15.9	2.4	3587	12.6
		.0	*	. 4	.5	2.8		15.5	17.1	12.9	3.0	. 5	1393	4.9
53/54	. 1	.0	.0	. 2	. 1	.3	1.4	2.7	3.2	2.4	.6	.0	242	. 9
51/52	.0	.0	.0	. 2	. 1	. 1	. 5	.6	.6	. 4	. 2	.0	58	. 2
49/50	.0	.0	.0	.0	.0	. 1	. 2		. 1		.0	.0	11	*
47/48	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	1	
45/46	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	1	
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	o	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	o	.0
TOTAL	2232	2496		2655	2534	2182	2189	2064	2021	2649	2269			100.0
MEAN	64.5	65.7		64.1	62.7	61.1		58.7	58,4	58.7	60.4	62.7	61.8	

TABLE 21

PRESSURE (MB)

			AV	ERAGE	BY HOU	R (GMT)			
										TOTAL
MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	DBS
JAN	1016	1015	1015	1015	1015	1015	1015	1015	1015	1581
FEB	1016	1017	1016	1014	1016	1014	1015	1014	1016	1569
MAR	1018	1018	1017	1017	1018	1019	1017	1018	1017	1979
APR	1019	1019	1017	1017	1018	1019	1017	1018	1018	2034
MAY	1017	1017	1016	1015	1017	1016	1017	1016	1017	2083
JUN	1015	1015	1014	1015	1015	1015	1015	1015	1015	1860
JUL	1016	1015	1016	1013	1017	1013	1016	1012	1016	1708
AUG	1016	1015	1016	1016	1017	1017	1017	1015	1016	1730
SEP	1017	1014	1017	1016	1017	1017	1017	1016	1017	1663
DCT	1016	1015	1015	1015	1017	1017	1015	1015	1016	1929
NOV	1015	1017	1015	1015	1016	1016	1015	1015	1015	1686
DEC	1015	1016	1015	1014	1015	1013	1014	1013	1015	1594
ANN	1016	1016	1016	1015	1017	1016	1016	1015	1016	21416
CBS	4765	1356	3859	950	4937	868	3882	900		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	993	1000	1004	1012	1016	1020	1024	1027	1031
FEB	993	1000	1005	1012	1016	1019	1025	1028	1032
MAR	999	1002	1006	1014	1018	1022	1027	1030	1036
APR	990	999	1005	1013	1018	1023	1028	1031	1034
MAY	986	995	1002	1011	1017	1022	1029	1032	1037
JUN	984	992	1000	1008	1015	1022	1028	1032	1036
JUL	978	990	999	1009	1017	1023	1030	1034	1037
AUG	988	994	1000	1010	1016	1023	1030	1035	1040
SEP	992	996	1002	1011	1017	1022	1029	1032	1035
DCT	989	996	1002	1011	1016	1021	1027	1031	1036
NOV	984	999	1004	1011	1015	1020	1025	1030	1035
DEC	092	908	1004	1011	1015	1019	1025	1027	1033

PERIOD: (PRIMARY) 1912-1969 (DVER-ALL) 1855-1969

TABLE 1 AREA 0017 CAPE LEGUNIN 33.95 114.6E

PERCENT FREQUENCY OF MEATHER OCCURRENCE BY WIND DIRECTION

												and the second			
			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE		ND SIG WEA
N	2.1	4.2	3.1	.0	.0	.0	4.2	13.5	.0	6.3	2.1	.0	4.2	.0	80.2
NE	1.7	.0	. 4	.0	.0	.0	.0	2.2	.0	6.1	.0	.0	5.7	.0	87.8
E	. 3	.0	1.2	.0	.0	.0	.0	1.5	1.5	.6	1.3	.0	3.8	.4	91.0
SE	. 4	1.5	.5	.0	.0	.0	.0	2.4	.0	.6	1.5	.0	2.5	.0	93.2
S	. 7	2.0	. 3	.0	.0	.0	.0	3.0	. 8	.6	2.4	.0	2.4	.0	90.8
SW	1.3	4.1	1.8	.0	.0	.0	.0	7.1	1.0	.5	1.6	.0	1.6	.0	88.2
W	.5	2.8	2.4	.0	.0	.0	.0	5.8	2.0	.0	.4	.0	.5	.0	91.2
NW	1.1	.0	2.8	.0	.0	.0	.0	4.0	.0	1.1	1.1	.0	2.3	.0	92.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	. C	.0	.0	.0	.0	12.5	.0	.0	.0	87.5
TOT PCT	2048	2.0	1.0	•0	•0	.0		3.8	. 8	.7	1.6	.0	2.4		90.8

TABLE 2

					P	ERCENT	FREQUE	NCY OF WE	ATHER DECUR	RENCE	BY HOU	R			
			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	.9 .2 1.0	2.7 1.6 1.9 1.5	1.4 .6 .2 2.1	.0	.0	.0	.0	5.0 2.7 3.1 4.4	.7 .8 .5	.7 .2 .9	1.8 1.2 1.9 1.5	.0	3.2 1.9 3.3	.0 .2 .0	88.8 93.2 90.4 90.7
TOT PCT TOT DBS:	2096	2.0	1.0	.0	•0	.0	•	3.8	. 8	. 8	1.6	.0	2.4		90.7

TABLE 3

PERCENTAGE	FREQUENCY	DF	WIND	DIRECTION	BY	SPEED	AND	RY	HOUR

		W11	NO SPE	ED (KN	UTSI								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT	MEAN SPD	00	03	06	09	12	15	18	21
N	.2	.5	.4	• 1		.0		1.0	9.8	2.3	1.6	1.4	.4	.1	.0	.6	1.5
NE	. 1	. 9	1.4	. 3				2.7	13.6	6.5	3.5	1.5	. 4	1.2	1.0	2.3	3.3
E	.4	3.3	6.5	2.1	. 2	.0		12.4	15.2	15.4	11.8			9.1	12.4	13.3	
SE	. 4	7.5	13.2	4.3	. 5	. 1		25.9	15.3	25.9	21.3						
S	. 7	9.3	12.9	3.0	. 1	. 1		26.1	13.4	18.8	25.4			32.1		26.5	
SW	. 7	7.8	8 . 1	2.2				19.0	13.3	18.1				20.2			
W	. 5	4.1	3.9	1.2	. 2	.0		9.8	12.9	8.7	13.5	9.7	11.5	9.3	9.7		
NW	. 2	1.1	.7	. 2	.0	.0		2.2	10.7	2.7	3.3	2.1	1.8	1.7	. 8	2.6	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 8							. 8	.0	1.6	1.3	.5	.7	. 2		. 6	,
TOT OBS	115	1022	1397	398	37	5	2974		13.8	555	315			588	239	341	284
TOT PCT	3.9	34.4	47.0	13.4	1.2	.2	2714	100.0	13.0								100.0

		_			

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00	. 06 09	12 15	18 21
N	.5	.4	.1		.0		1.0	9.8	2.0	1.0	.1	1.0
NE	.5	1.3	. 9	*			2.7	13.6	5.4	1.0	1.1	2.8
E SE	1.4	5.5	4.6	.7	. 1		12.4	15.2	14.1	11.8	10.0	13.5
SE	2.5	12.3	9.4	1.0	. 1		25.9	15.3	24.2	28.3	25.3	26.6
5	4.0	14.0	7.4	.6	. 1		26.1	13.4	21.2	26.3	31.0	25.2
SW	3.1	10.2	4.7	. 4	.1		19.0	13.3	18.2	18.5	20.5	18.8
W NW	2.5	4.6	2.1	.6			9.8	12.9	10.4	10.5	9.4	9.0
NW	. 8	1.0	. 3	.1	.0		2.2	10.7	3.0	2.0	1.5	2.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.8						. 8	• 0	1.5	.6	. 2	.6
TOT DAS	480	1467	879	137	11	2974		13.8	870	652	827	625
TOT PCT	16.1	49.3	29.6	4.6	.4		100.0				100.0	

IΔ			

						JANUARY					
MARY) 1912-19 R-ALL) 1855-19						TABLE 4				ARE	PE LEEUWIN 5 114.6E
		PER	CENTAGE	FREQUE	ENCY OF	WIND SP	EED BY	HOUR	(GMT)		
HOUR	CALM	1-3	4-10		SPEFD 22-33	(KNOYS) 34-47	48+	MEAN	PCT	TOTAL	
00£03 06£09 12£15 18£21 TDT PCT	1.5 .6 .2 .6 23	4.4 2.5 2.5 2.7 92 3.1	36.6 31.6 33.5 35.4 1022 34.4	45.2 50.0 45.6 48.2 1397 47.0	11.4 14.4 15.3 11.2 398 13.4	.9 .9 1.7 1.4 37	.1	14.3	100.0 100.0 100.0 100.0	870 652 827 625 2974	

TABLE	5		

TABLE	6	

		В	A MINE	DIRFC	TION					AND DC	REQUEN	CE OF	NH <5/	8 BY W	IND D	RECTI	JN	
WND DIR	0-2	3-4	5-7	3 & 08505	TOTAL DBS	MEAN CLOUD COVER	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	.4	.3	. 2	. 2		3.8	.0	.0	.0	.0	.2	. 2	.0	.0	.0	.0	. 8	
NE	1.6	. 3	. 6	. 5		3.2	.0	.0	.0	. 1	. 4	. 2	. 2	.0	.0	.0	2.1	
Ε	7.3	2.1	3.2	1.6		3.1	.0	.0	.0	. 3	.7	1.6	.6	• 1	.0	. 4	10.5	
SE	11.8	4.3	7.5	2.9		3.5	. 1	.0	. 2	.5	3.3	2.5	1.5	. 2	.0	.1	18.0	
S	8.8	4.5	8.3	4.2		4.1	. 1	.1	.2	1.0	4.6	2.7	1.3	. 3	.0	.1	15.3	
SW	4.5	3.2	6.5	3.9		4.8	.2	.0	. 4	1.4	3.3	1.7	. 9	• 1	.0	. 2	9.9	
W	2.5	1.9	2.9	1.8		4.5	.0	.0	.0	1.0	1.3	.8	. 4	. 2	.0	.0	5.4	
NW	.4	. 4	. 9	.4		4.9	.0	.0	.0	. 1	. 5	.1	. 1	• 1	.0	.0	1.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	. 1	. 2	.0		4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
TOT OBS	416	192	337	171	1116	4.0	4	1	10	49	160	109	56	11	.0	. 8	708	1115
TOT PCT	37.3	17.2	30.2	15.3	100.0		.4	.1	. 9	4.4	14.3	9.8	5.0	1.0	.0	7	63.4	100.0

TABLE 7 CUMULATIVE PCT FRFQ CF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/R) AND VSBY (NM)

				VSBY (NM	1)			
CEILING	- GR	- DR	= OR	= OR	· OR	= DR	- DR	. DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	.6	.7	.7	.7	.7	.7	.7	.7
■ DR >5000	1.4	1.7	1.8	1.8	1.8	1.8	1.8	1.8
■ DR >3500	6.3	6.8	6.9	6.9	6.9	6.9	6.9	6.9
■ DR >2000	13.7	16.0	16.6	16.6	16.6	16.6	16.6	16.6
■ DR >1000	25.8	30.0	30.9	30.9	30.9	30.9	30.9	30.9
• DR >400	28.9	34.2	35.3	35.3	35.3	35.3	35.3	35.3
• OR >300	29.6	35.0	36.1	36.2	36.2	36.2	36.2	36.2
• OR >150	29.6	35.0	36.2	36.3	36.3	36.3	36.3	36.3
. DR > 0	29.6	35.0	36.2	36.3	36.4	36.5	36.5	36.6
TOTAL	335	396	409	410	411	412	413	414

TOTAL NUMBER OF OBS: 1130 PCT FREO NH <5/81 63.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 20.0 16.5 10.2 9.5 6.7 5.7 7.9 11.0 12.2 .3 1221

J	Δ	N	U	Δ	R	Υ

PERIOD: (PRIMARY) 1912-1969 (DVER-ALL) 1855-1969

TABLE 8

AREA 0017 CAPE LEEUWIN 33.95 114.6E

PERCENT									NON-DCCURRENCE	OF
	PREC	TP	TATTO	IN WITH	VAF	IYS	NG VALUES DI	F V	ISIBILITY	

VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0		. 1	. 1		.0	.0	.0	.0	. 2	
	TOT %	• 0	.0		. 1	.1		.0	.0	.0	.0	.2	
	PCP	.0	.0	.0	.0	.0	.0		.0	.0	.0		
1/2<1	NO PCP		.0	. 1	*	.1	.2	.0	*	.0		.5	
	TOT %		• 0	. 1		. 1	. 2	*		.0		.6	
	PCP	.0	.0	.0	.0	.0		.0	.0	.0	.0		
1<2	NO PCP	.0	. 1		. 4	. 5	. 3		.0	.0	.0	1.4	
	TOT %	.0	• 1		. 4	. 5	.3		.0	.0	.0	1.4	
	PCP		.0	.0	.0	. 1	.1	.c		.0	.0	.3	
245	NO PCP	.0	.0	.0	. 2	. 1	. 2	:	.0	.0	.0	.5	
	TOT %		.0	.0	. 2	. ?	.2	*		.0	.0	. 8	
	PCP	• 1		. 1	. 5	.6	1.0	.3		.0	.0	2.7	
5<10	NO PCP	. 3	. 9	4.8	8.9	8.8	7.0	3.1	.8	.0	. 1	34.7	
	TOT %	.5	.9	4.9	9.4	9.4	8.0	3.4	. 8	.0	. 1	37.4	
	PCP	.0		.1	. 1		.2	. 1		.0	.0	.7	
10+	NO PCP	.6	1.8	8.0	15.6	15.7	10.3	5.3	1.2	.0	. 2	58.8	
	TOT %	.6	1.8	8.1	15.7	15.7	10.5	5.5	1.3	.0	. 2	59.5	
	TOT OBS												2046
	TOT PCT	1.2	2.8	13.1	25.9	26.1	19.4	9.0	2.2	.0	.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY	SPD	N	Ne			5	SW	w	NW			PCT	TOTAL
(NM)	KTS		NE	E	SE					VAR	CALM		DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	. 1	. 1	.0	.0	.0	.0		. 1	
	11-21	.0	.0	.0	.0	.0		.0	.0	.0			
	22+	.0	.0		*	.0	.0	.0	.0	.0			
	TOT %	.0	.0	•	. 1	.1		.0	.0	.0	.0	. 2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1/2<1	4-10	.0	.0		*	*	. 1		.0	.0		.3	
	11-21	*	.0		.0	*	. 1	.0		.0			
	22+	.0	.0	.0	.0	.0	*	.0	.0	.0			
	TOT %		• 0	. 1		. 1	.2			.0		. 5	
	0-3	.0	.0	.0	.0	*		.0	.0	.0	.0		
1<2	4-10	.0	. 1		.0		*	.0	.0	.0		.2	
	11-21	.0	.0	.0	. 3	.3	. 2			.0		. 7	
	22+	.0	.0	.0	.0	. 1	. 1	.0	.0	.0		. 2	
	TOT %	.0	• 1		.3	.5	.3	•	•	.0	.0	1.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0		. 1		*	.0	.0		. 2	
	11-21	*	.0	.0	*	.1	. 1			.0		:5	
	22+	.0	.0	.0	. 1	. 2	. 2	.0	.0	.0		.5	
	TOT %	*	•0	.0	. 2	. 4	.3	.1		.0	.0	1.0	
	0-3	. 1		. 1	.2	.1	.4	. 2	. 1	.0	.1	1.3	
5<10	4-10	. 2	• 2	. 7	2.6	2.9	2.4	1.3	.4	.0		10.6	
	11-21	. 1	.6	2.7	4.3	4.5	3.4	1.4	. 2	.0		17.3	
	22+	. 1	.1	1.0	2.0	1.2	1.2	.4	. 1	.0	- 2	6.1	
	TOT %	.4	. 9	4.6	9.0	8.8	7.5	3.2	. 8	.0	. 1	35.3	
	0-3		.0	.1	.2	.5	. 2	.1	.1	.0	.2		
10+	4-10	. 3	.6	2.3	4.7	6.2	5.4	2.7	. 7	.0		22.8	
	11-21	. 2	1.0	4.6	8.5	8.3	5.0	2.3	.4	.0		30.4	
	22+	.0	• 2	. 9	2.5	1.7	. 7	.7	. 1	.0		7.0	
	TOT &	.6	1.8	7.9	15.9	16.7	11.2	5.8	1.3	.0	.2	61.5	
	OT ORS												2227
1	TOT PCT	1.1	2.7	12.7	25.6	26.5	19.6	9.2	2.2	.0	. 4	100.0	

JANUARY

PERIOD:	(PRIMARY)	1912-1969
	(DVER-ALL)	1855-1949

TABLE 10

AREA 0017 CAPE LEEUWIN 33.95 114.6E

PERCENT	FREQUENCY	DF	CEIL	ING	HEIGHT	5	FEET, NH	>4/8)	AND
	DECIN	200	NCE D	F NI	1 15/8	RY	MOUD		

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS	
00603	.3	.0	1.0	5.1	17.7	11.2	6.8	1.0	.0	1.4	44.6	55.4	294	
05809	.3	.0	.3	3.5	9.6	8.3	4.2	1.6	.0	.3	28.2	71.8	312	
12815	.7	.3	1.0	2.7	14.1	9.7	4.0	.7	.0	.7	33.9	66.1	298	
18621	.0	.0	1.1	5.7	13.2	8.2	4.6	.7	.0	.4	33.9	66.1	280	
TOT PCT	.3	.1	10	50	161	111	58 4.9	12	.0	.7	415 35.1	769 64.9	1184	

TABLE 11

ARLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	6Y HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HUUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ 4ND5+	NH <5/8 AND 5+	TOTAL
00603	. 2	.7	1.8	1.3	37.6	58.5	615	00803	.4	1.4	8.1	38.4	53.5	284
06609	.2	.6	1.4	.6	31.7	65.6	517	06809	.3	.7	4.7	24.6	70.7	297
12615	. 5	.5	1.7	1.4	37.9	58.0	636	12815	.7	2.1	6.4	29.5	64.1	281
18821	.2	.4	.4	.6	35.5	62.9	507	18821	.0	1.1	7.8	27.6	64.6	268
TOT PCT	.3		31	23	816 35.9	1387	2275	TOT PCT	.4	15	76 6.7	339 30.0	715 63.3	1130 100.0

TABLE 13

	PERC		EOUENC		ELATIV	HUMI	0111 0	TIEMP	TOTAL	PCT	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	
80/84	.0	.1	.0	.0	.2	.0	.1	.0	5	.4	
75/79	.0	.0	.0	.4	.4	1.3	. 1	.0	31	2.2	
70/74	.0	.0	.1	.7	2.1	4.6	5.3	1.5	201	14.4	
65/69	.0	.0	.1	1.6	7.8	17.1	18.1	7.5	730	52.1	
60/64	.0	.1	. 1	1.4	9.6	8.6	6.8	2.9	412	29.4	
55/59	.0	.0	.0	.0	. 3	. 4	.6	. 1	19	1.4	
50/54	.0	.0	.0	.0	.0	.0	.0	. 1	2	.1	
TOTAL	0	2	5	57	286	447	433	170	1400	100.0	
PCT	.0	.1	.4	4.1	20.4	31.9	30.9	12.1			

TABLE 14

	PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTIO	N BY TI	EMP	
N	NE	E	SE	S	SW	W	NW	VAR	CALM
. 1	.1	.2		.0	.0	.0	.0	.0	.0
*	. 2	.4	. 7	. 5	. 4	.0	. 1	.0	.0
. 2	.2	2.0	4.3	3.7	2.3	1.0	.5	.0	. 1
.6	1.2	6.5	13.1	14.0	10.3	5.2	1.0	.0	. 4
. 4	.7	2.6	6.7	8.4	6.9	3.1	.6	.0	. 1
. 1	.3		. 1	. 3	.4	. 1	.1	.0	.0
.0	.0	•0	.0	.1	. 1	.0	.0	.0	.0
1.3	2.8	11.7	24.8	26.9	20.4	9.4	2.2	.0	.6

TABLE 15

	MEANS	EXTREME	S AND	PERCEN	ITILES	OF TEN	P (DE	G F) B	Y HOUR
HOUR (GMT)	мдх	99%	95%	50%	5%	1%	MIN	MEAN.	TOTAL
00803	83	77	73 75	66	61	59	57	66.4	849
12415	80 76	76 73	72	66	60	58 58	53	65.8	808
TOT	86	77	73	66	61	50	52	66.2	2907

TABLE 16

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HUUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	8.4	22.4	32.7	29.0	11.3	76	379
12615	.0	3.0	17.6	32.2	34.3	13.8	78 79	370
101	0	64	288	454	440	175	77	1421

PERIOD: (PRIMARY) 1912-1969 (OVER-ALL) 1855-1969

TABLE 17

AREA 0017 CAPE LEEUWIN 33.95 114.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	49	53	57	61	65	69	73 76	77	81	тот	FDG	FOG
IMP UAP	36	30	00	04	0.0	12	10	•00	04		FUG	100
11/13	.0	.0	.0	.0	.0	.0	.1	.0	.0	1	.0	.1
9/10	.0	.0	.0	.0	.0	.0	. 1	. 1	. 1	3	.0	. 2
7/8	.0	.0	.0	. 1	.1	• 1	.5	. 2	.1	17	.0	1.0
6	.0	.0	.0	. 1	.1	. 2	.6	.2	.0	19	. 0	1.1
5	.0	.0	.0	.1	. 1	.7	. 5	.0	.0	24	. 2	1.2
4	.0	.0	.0	.1	. 3	. 6	. 9	• 1	.0	32	.0	1.8
3	.0	.0	.0	.1	. 9	1.3	.7	.0	.0	54	.0	3.1
3 2 1 0	.0	.0	.0	.0	1.4	3.2	.6	. 1	.0	90	. 1	5.1
1	.0	.0	.0	.6	3.4	4.8	. 2	.0	.0	157	. 1	8.9
0	.0	.0	. 1	1.4	6.2	3.6	.0	.0	.0	195	. 3	10.9
-1	.0	.0	.0	2.2	8.5	2.8	. 1	.0	.0	235	.3	13.2
-2	.0	.0	. 3	4.4	9.2	1.6	. 1	.0	.0	270	. 2	15.4
-2 -3	.0	.0	.3	5.5	6.8	. 3	.0	.0	.0	224	. 3	15.4
-4	.0	.0	. 3	5.1	3.2	. 1	.0	.0	.0	152	. 1	8.7
-5	.0	.0	.7	4.5	1.8	. 2	.0	.0	.0	125	. 2	7.0
-6	.0	.0	.3	2.6	. 9	.0	.0	.0	.0	66	.0	3.8
-7/-8	.0	.0	1.1	1.4	. 5	. 1	.0	.0	.0	53	.0	3.0
-9/-10	.0	.0	.1	.6	.1	.0	.0	.0	.0	13	.0	. 7
-11/-13	. 1	. 1	. 2	.1	.0	.0	.0	.0	.0	7	.0	:3
-14/-16	.0	. 1	.0	.0	.0	.0	.0	.0	.0	1	.0	.1
TOTAL	1		61		750		72		2		30	1708
		3		499		339		11		1738		
PCT	. 1	.2	3.5		43.2	19.5	4.1	.6	.1	100.0	1.7	98.3

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FRED DF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 11-21 .0 .6 .4 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 48+ 1-3 48+ 1-3 HGT:
<1 1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
48-67
FDT PCT 11-21 .6 2.6 3.5 2.2 .0 .0 .0 .0 .0 .0 1-3 48+ 4-47 1-3

PAGE 084

PERIOD:	Inve	R-ALL)	1963-1	969					JANUARY				AREA	0017	APE IE	FUWIN
PERIOD.	VOVE		1,03-1	. , 0 ,				TABLE	18 (CONT)				-110		95 114	
				PC	T FREQ DE	WIND	SPEED	(KTS)	AND DIREC	TION	VERSUS S	EA HEIG	HTS (FT)		
				S								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	
<1	. 2	1.2	.0	.0	• 0	.0	1.4		.0	.5		.0	.0	.0	. 5	
1-2	. 3	3.6	1.3	.0	• 0	.0	5.2		• 2	3.5		.0	.0	.0	4.8	
3-4	. 3	3.4	3.0	.6	.0	.0	7.3		.0	3.5		. 2	.0	.0	6.8	
5-6	.0	.3	5.2	1.1	.0	• 0	6.7		• 0	. 8		.4	.0	.0	4.0	
7	.0	.0	2.7	.7	• 0	.0	3.4		.0	. 1		.5	.0	.0	2.2	
8-9	.0	.0	.4	.3	.0	.0	. 7		.0	. 2		.5	.0	.0	. 8	
10-11	.0	.0	.0	.3	.0	.0	. 3		• 0	.0		.2	.0	.0	. 2	
12	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	•0	.0		.0	.0		.0	.0	.0	.0	
17-19	.0	.2	.0	.0	.0	.0	.2		•0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0		.0	.0		.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	. 0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
TOT PCT	. 6	8.6	12.7	3.0	.0	.0	25.0		.2	8,6	9.0	1.7	.0	.0	19.4	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.1	.2	.0	.0	.0	.0	.3			. 0		.0	.0	.0	*	
1-2	.0	2.0	.5	.0	•0	.0	2.5		.0	. 4		.0	.0	.0	.5	
3-4	.0	1.2	1.1	.0	.0	.0	2.3		.0	, 3		.0	.0	.0	. 7	
5-6	.0		1.2	.4	.0	.0	1.7		.0	. 0		. 2	.0	.0	.5	
7	.0	. 2	.3	. 9	.0	.0	1.4		.0	. 0	.0	.0	.0	.0	.0	
8-9	.0	.0	.2	.3	.0	.0	.5		.0	. 0		.0	.0	.0	.0	
10-11	.0	.0	.0	.2	.0	.0	.2		.0	. 0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	. 0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	• 0	.0	.0		.0	. 0		.0	.0	.0	.0	
17-19	.0	. 2	. 3	.0	.0	.0	.5		.0	. 2		.0	.0	.0	. 2	
20-22	.0	.0	.0	.0	• 0	.0	.0		.0	. 0		.0	.0	.0	. 2	
23-25	.0	.0	.0	.0	• 0	.0	.0		.0	. 0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		•0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		•0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86 87+	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
TOT PCT	.0	3.8	3.6	1.8	.0	.0	9.4		• 0	.6		.0	.0	.0	2.1	99.5
101 PC1	. 1	3.0	3,0	1.0	•0	•0	9.4		-		1,1		.0	.0	2,1	79.3

		WIND	SPEED	(KT5)	VS SEA	HEIGHT	(FT)		
но	т	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1		. 8	3.3	.0	.0	.0	.0	4.1	
1-		. 5	15.6	5.3	.0	.0	.0	21.3	
3-		. 5	13.2	15.4	1.0		.0	30.1	
5-	6	.0	2.2	18.5	3.3	.0	.0	24.0	
7		.0	. 3	9.7	3.7	.0	.0	13.7	
8-	9	.0	. 2	1.4	1.9	.5	.0	4.0	
10-		.0	.0	.0	1.6	. 2	.0	1.8	
12		. 0	.0	.0	.0	.0	.0	.0	
13-		.0	.0	.0	.0	.0	.0	.0	
17-	19	.0	. 5	. 3	.0	.0	.0	. 8	
50-		.0	.0	. 2	.0	.0	.0	. 2	
23-		.0	.0	.0	.0	.0	.0	.0	
26-		.0	.0	.0	.0	.0	.0	.0	
33-		.0	.0	.0	.0	.0	.0	.0	
41-		.0	.0	.0	.0	.0	.0	.0	
49-		.0	.0	.0	.0	.0	.0	.0	
61-	70	.0	.0	.0	.0	.0	.0	.0	
71-		.0	.0	.0	.0	.0	.0	.0	
	7+	.0	.0	.0	.0	.0	.0	.0	
		- 0						• •	628
TOT	PCT	1.8	35.4	50.8	11.5	.6	.0	100.0	-

p	ERIOD	: (pv	ER-ALL) 194	9-1969					TABLE	19											
						PERCEN	FRE	DUENCY	OF WAY	E HEIG	SHT (F	r) vs	HAVE P	ERIDD	SECON	DSI						
PER	100	< 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
(6 - 7	1.0	3.3	8.4	3.8	7.4	1.7 2.8	1.7	. 1	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	198	4 7
	1-9	.0	.0	2.1	6.1	7.0	5.1	3.3	1.6	1.7	. 2	. 1	. 1	.1	.0	.0	.0	.0	.0	.0	253	8
10	7-11	.0	.0	.2	1.6	3.3	.8	1.5	. 3	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	98	10
>	13	.0	.0	.0	2.1	. 3	. 2	. 2	. 1	.0	.1	.0	.1	- 1	.0		.0	.0	.0	.0	12	12
TO	TAL	12	.8	157	194	211	122	91	29	37	11	.0	3	. 1	.0	.0	0	.0	.0	.0	922	7
P	CT	1.3	4.8	17.0	21.0	22.9	13.2	9.9	3.1	4.0	1.2	. 9	. 3	. 3	.0	.0	. 0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1912-1969 (DVER-ALL) 1855-1969

TABLE 1

AREA 0017 CAPE LEEUWIN 33.95 114.66

PERCENT EDECLIENCY DE WEATHER OCCURRENCE DE WIND DIRECTIO

				P	ERCEN	T FREQU	ENCY C	F WEATHER	DCCURRENCE	BY WI	ND DIR	ECTION			
			p	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNDW	ND SIG WEA
N NE	.0	.0	2.4	.0	.0	.0	.0	2.4	3.9	6.0	1.2	.0	12.7		83.5
E SE	1.1	.6	1.3	.0	.0	.0	.0	3.0	.5	1.0	1.0	.0	2.7	.0	91.8
SW	2.2	4.4	.9	.0	.0	.0	.0	7.6	1.3	1.2	1.0	.0	2.6	.0	89.7
W NW VAR	1.6	9.2 5.4	1.0	.0	.0	.0	.0	11.8	2.7	.0	1.6	.0	3.8	.0	79.5
CALM	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT TOT DRS:	1991	2.4	1.1	•0	•0	.0	.0	5.1	1.0	1.0	1.2	.0	2.9	•1	89.0

TABLE 2

DERCENT	ERECHENCY	OF	WEATHER	DCCHRRENCE	RY	MINIE

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00803 06809 12815 18821	1.1 .9 1.8 2.3	2.9 2.2 3.0 1.7	1.4 .7 1.4 .9	.0	.0	.0	.0	5.4 3.7 6.3 4.9	.7 .9 1.1 1.5	.5 .0 1.1 2.3	1.6 1.3 1.4	.0	2.7 3.1 4.1 1.7	.0 .2 .0	89.2 90.8 86.3 89.6
TOT PCT	1.5	2.5	1.1	.0	•0	.0	.0	5.1	1.0	1.0	1.2	.0	2.9		88.8

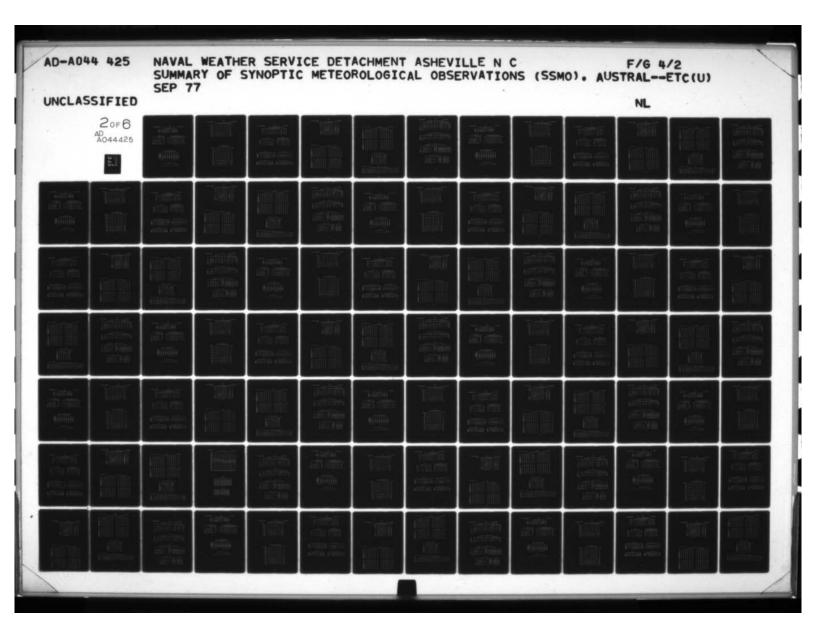
TABLE 3

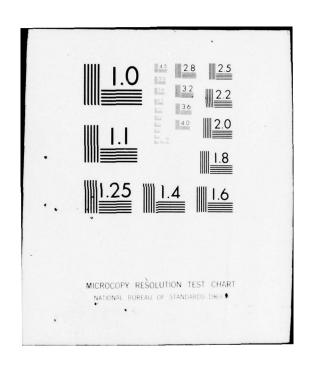
PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0=3			ED (KN 22-33	DTS) 34-47	48+	TOTAL DBS	PCT FREQ	MEAN SPD	00	03	06	HOUR 09	(GMT) 12	15	18	5.1
N NE E SE S	.1 .3 .4 .2	.7 1.9 3.8 7.1 8.7	1.8 8.8 15.8 11.1	2.8	.1	.0		1.2 4.5 15.9 27.4 23.2	9.7 12.3 15.3 14.9 13.2	2.1 9.5 18.2 25.6 19.3		3.0 17.0			25.5		.9 6.8 19.9 23.2
SW	.6	7.8	2.8	1.2		.0		8.5	12.1	12.9	17.0	14.4	19.7	20.9	15.8	13.6	16.4
NW VAR	.1	1.3	.7	.3	.0	.1		2.4	12.8	3.2		1.9	2.1	1.2	2.9	1.7	3.2
TOT OBS	93 3.1	1055	1417	372	16	2	2955	.6	13.5	557 100.0	323 100.0	349 100.0	262 100.0	583 100.0	241 100.0	358	282

TABLE 3A

WNO DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18
N	.4	.7	.1		.0		1.2	9.7	1.8	1.1	.8	.7
NE	1.2	2.0	1.1	. 2	.0		4.5	12.3	7.3	2.6	2.8	4.8
F	1.8	6.8	6.5	. 8	*		15.9	15.3	17.2	14.3	14.3	17.7
SE	2.3	14.1	10.2	. 7	*		27.4	14.9	25.3	29.3	26.1	29.9
S	3.5	12.5	6.6	.5	.0		23.2	13.2	20.1	24.4	26.8	21.4
SW	3.0	9.3	3.7	.4	*		16.4	12.1	14.4	16.7	19.4	14.8
W NW	1.9	4.7	1.7	.2	.0		8.5	11.7	9,5	9.5	7.6	7.4
NW	. 6	1.2	.4	. 1	. 1		2.4	12.8	3.5	2.0	1.7	2.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.6						.6	• 0	. 8	. 2	. 5	. 9
TOT DAS	456	1512	897	85	5	2955		13.5	880	611	824	640
TOT PCT	15.4	51.2	30.4	2.4	. 2		100.0		100.0		100.0	





-	-	-	¥	×	n	

							FEBRUARY						
PERIOD:	(PRIMARY) 1912-1 (OVER-ALL) 1855-1						TABLE 4				AREA		LEEUWIN 114.6E
			PER	CENTAGE	FREQUE	ENCY OF	WIND SP	EED BY	HOUR	(GMT)			
	нач	R CALM	1-3	4-10	WIND 11-21	SPEED 22-33	(KNDTS) 34-47	48+	MEAN	PCT	TOTAL		
	0060 0660 1261 1862 Tut Pct	9 .2 5 .5 1 .9 18	3.4 2.0 2.2 2.3 75 2.5	39.4 32.7 35.2 34.1 1055 35.7	44.2 52.4 47.2 49.8 1417 48.0	11.8 14.2 12.5 372	1.0 .6 .2 16	.0	13.8	100.0 100.0 100.0 100.0	880 611 824 640 2955		

			т,	ABLE 5								TA	ABLE 6					
	PCT FRE			CLOUD A		(EIGHTHS)					REQUEN		CEILIN NH <5/					
MND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	CLOUD	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7 999	8000+	NH <5/8 ANY HGT	TOTAL
N NE	2.3	.0	.2	.3		3.8	.0	.0	.0	.2	.1	:4	.0	.0	.0	.0	3.2	
E SF	9.3	2.8	4.6	2.4		3.3	.1	.2	.0	1.1	1.9	1.2	.5	.1	.0	.1	14.2	
S	7.3	4.3	8.3	3.5		4.2	.0	.0	.1	1.3	4.0	2.5	1.6	.4		.0	13.7	
W NW	1.4	.7	2.8	1.0		5.0	.0	. 1	.1	.6	1.3	.7	.5		.1	.0	2.7	
VAR	.0	.0	.0	.0		4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	36.5	171	348 30.9	196	1126	4.0	• 0 1 • 1	• 0 5 • 4	.0	5.2	179 15.9	114 10.1	48 4.3	13 1.2	.0	.0	693	1125

TABLE 7

CUMULATIVE PCT FREQ UF SIMULTANEOUS DCCURRENCE

OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM	1)			
	CEILING	• OR	- OR	= DR	= DR	- OR	DR	- OR	. DR
	(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	OR >6500	.7	.8	.8	.8	.8	. 8	.8	.8
	OR >5000	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	OR >1500	5.6	6.1	6.2	6.2	6.2	6.2	6.2	6.2
	OR >2000	14.9	16.1	16.3	16.3	16.3	16.3	16.3	16.3
	OR >1000	28.4	31.6	31.9	32.0	32.0	32.0	32.0	32.0
	OR >600	32.9	36.7	37.0	37.0	37.1	37.1	37.1	37.1
٠	OR >300	33.1	37.1	37.5	37.6	37.7	37.7	37.7	37.7
	OR >150	33.1	37.5	37.8	37.9	38.1	38.1	38.1	38.1
	DR > 0	33.1	37.5	37.9	38.0	38.2	38.2	38.2	38.2
	TOTAL	378	428	433	434	436	436	436	436

TOTAL NUMBER OF OBS: 1142 PCT FREQ NH <5/81 61.8

TABLE 7A
PERCENTAGE FREQ OF LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 08SC0 08S 21.0 12.9 10.8 9.2 7.4 7.0 7.5 9.9 14.5 .0 1237

E	-	D	0	11	A	¥	

							FFBF	RUARY						
PERIOD: (PRIMARY) 19 (DVER-ALL) 11	912-1969 855-1969						TAE	SLE 8				AREA		LEEUWIN
		PE	RCENT	PREC I	F WIND	DIRECTION WIT	H VARY	ING V	IRRENCE	OR N	IBILI	URRENCE	DF	
VSBY (NM)		N	NE	E	SE	5	SW	*	NW	VAR	CALM	PCT	TOTAL	
€1/2	PCP ND PCP TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	PCP	•0	•0	.1	. 1	.0			.0	.0	.0	.2		
1/2<1	NO PCP	•0	.0	.1	.2	*	•1	.1	.0	.0	.0	.6		
1<2	PCP ND PCP TOT %	•1	.1	.5	.1	.5	.?	.1	.0	.0	.0	2.1 2.3		
2<5	PCP NO PCP	•0	•0	.1	.0	.0	.0	.1	.1	.0	.0	.2		
	TOT %	•1	.2	.2	.1	1.0	1.1	.1	.1	.0	.0	.8		
5<10	NO PCP	.4	1.5	5.2	9.0	6.2	7.0	3.2	.6	.0	.1	32.0 35.8		
10+	PCP NO PCP TOT %	• 0	2.3	.2 10.9 11.0	18.0 18.4	.1 14.8 14.8	8.5 8.5	3.4 3.5	1.0	.0	.0	59.6 60.3		
	TOT OBS	1.0		17.4				7.9	1.8	.0		100.0	1989	

TABLE 9

VSBY	SPD	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS				36								DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-17	.0	.0		*	.0	.0	.0	.0	.0			
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0		*	.0	.0	.0	.0	.0	.0	•	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	-1		. 1	. 1	.0	.0		. 2	
	11-21	.0	.0	. 1	.5	.0			.0	.0		.4	
	22+	.0	.0		.0	.0			.0	.0		.1	
	TOT %	.0	.0	. 1	. 3		. 1	.1	.0	.0	.0	.7	
	0-3		.0	.0	.0	.0	.0	.0	.0	.0	.0		
1 < 2	4-10		*		. 5	.3	. 1	.1	.0	.0		. 8	
	11-21	.0		. 2	. 2	. 1	. 1	.1		.0		. 8	
	22+	.0	*	. 2	. 1	.1	.0		.0	.0		.5	
	TOT %	.1	• 1	.4	. 5	.5	.2	.3	•	.0	.0	2.1	
	0-3	.0	. 1	.0	.0		.0	.0	.0	.0	.0	.1	
2<5	4-10	.0	• 1	.0	.0	.0	. 1	.0		.0		.3	
	11-21	.0	.0	. 1	-1	. 1	.0	*	.0	.0		.3	
	22+	*	.0	. 1	- 1	.0	.0	.0		.0		.2	
	TOT %	•	.2	. 2	. 1	.1	. 1	•	.1	.0	.0	1.0	
	0-3	.1	. 1	. 2		.3	. 2	. 2	.0	.0		1.0	
5<10	4-10	. 2	. 5	1.1	2.2	2.9	2.3	1.3	. 2	.0		10.6	
	11-21	. 1	.7	2.9	5.3	3.0	3.2	1.4	.3	.0		16.9	
	22+	.0	. 3	1.0	1.4	.6	. 7	. 7	. 3	.0		4.9	
	TOT %	.4	1.6	5.2	9.0	6.7	6.4	3.5	. 8	.0	•	33.5	
	0-3	*	• 1	.1	- 1	. 1	.3	.1	.1	.0	.3	1.2	
10+	4-10	. 4	1.0	2.1	4.8	5.7	5.2	2.5	.7	.0		22,5	
	11-21	. 1	1.0	6.4	11.1	7.9	3.3	1.4	. 4	.0		31.5	
	22+	.0	. 3	2.1	2.9	1.9	. 3	. 2	.0	.0	_	7.6	
	TOT %	.6	2.4	10.7	18.8	15.6	9.0	4.2	1.1	.0	. 3	62.7	
1	OT OAS												2199
1	OT PCT	1.1	4.3	16.7	28.7	22.9	15.8	8.1	2.0	.0	. 3	100.0	

								FEBR	JARY						
PERIOD:		12-1969 55-1969						TABLE	10			AF	EA 0017	CAPE LE 3.95 11	
				PER	CENT F					HTS (F		>4/8)	IND		
	HOU (GM			300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
	300	03 .0	.7	. 3	4.9	17.0	10.8	4.9	2.0	.0	.3	41.0	59.0	305	
	360	09 .3	.3	.3	3.1	11.5	8.1	4.1	.7	1.0	.3	29.8	70.2	295	
	126	15 .0	.7	.7	4.7	15.1	9.4	4.0	1.0	.0	.0	35.6	64.4	298	
	186	21 .0	.0	.7	7.1	16.6	10.1	3.4	.7	.7	.7	39.9	60.1	296	

1

			1	ABLE 1	1						TABLE	12		
		PERCENT	FREQUENC	Y VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 ANU 5+	TOTAL
00603	.0	.8	2.6	1.3	37.7	57.6	621	00603	.0	1.0	6.6	36.9	56.6	290
90360	.0	. 8	1.8	. 8	29.6	66.9	487	06809	.4	1.4	4.7	27.0	68.3	278
12815	.0	.6	2.9	. 8	36.6	59.1	628	12615	.0	1.4	7.3	29.5	63.1	287
18621	.2	.4	1.0	. 8	29.8	67.9	517	18821	.0	.7	8.7	32.8	58.5	287
TUT	1	15	49 2 • 1	21	762 33.8		2253	TOT PCT	.1	13	78 6.8	361 31.6	703 61.6	1142

TRT 1 5 6 59 180 115 49 13 5 4 437 757 1194 PCT .1 .4 .5 4.9 15.1 9.6 4.1 1.1 .4 .3 36.6 63.4 100.0

				т,	ABLE 13	3									TABL	E 14				
	PERCE	NT FF	EQUENC	Y OF R	LATIVE	HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	\$	SW	×	NW	VAR	CALM
80/84	.0	. (.1	.0	.1	. 2	.0	.0	6	.4	.0	.1	.1	. 1	.0	. 1	. 1	.0	.0	.0
75/79	.0			.0	. 9	1.6	.5	. 1	47	3.4	. 1	.0	1.2	.1	. 9	. 2	. 1	. 1	.0	.0
70/74	.0	. (?	. 4	3.4	6.0	7.6	2.4	280	20.5	. 4	1.4	3.7	6.9	4.3	2.1	. 8	.7	.0	.1
65/69	.0	. (.1	1.5	8.6	17.8	19.2	7.8	752	55.0	.4	2.1	9.9	15.6	12.4	8.2	5.0	1.2	.0	. 2
60/64	.0	. (.0	1.0	7.1	7.7	3.1	1.3	276	20.2	. 3	.7	2.6	5.6	4.7	4.2	1.7	.3	.0	. 1
55/59	.0	. 0	.0	.1	.2	.0	.1	.0	6	.4	.0	.0	.0	. 2	. 1	. 1	. 1	.0	.0	.0
TOTAL	0	(278	455	418	159	1367	100.0										
PCT	.0	. 0	.4	3.7	20.3	33.3	30.6	11.6			1.2	4.3	17.5	29.2	22.4	14.9	7.7	2.3	.0	.4

				TAR	LF 15									TABLE	16			
	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TE	4P (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	80	77	73 76	67	62	59	56 56	67.1	875 607	00603	.0	5.0	19.7	36.7	27.8	10.8	76	360
12615	81	77	73	67	61	59	57	66.9	826	12615	.0	3.0	16.3	30.7	35.9	14.1	78	368
18821	76	73	71	65	61	59	58	65.7	646	18621	.0	2.1	17.7	32.6	32.3	15.3	78	334
TOT	86	77	74	67	61	59	56	67.1	2954	TOT	0	57	281	462	424	162	77	1386

PERIOD: (PRIMARY) 1912-1969 (OVER-ALL) 1855-1969

TABLE 17

AREA 0017 CAPE LEEUWIN 33.95 114.06

PCT FREQ OF AIR TEMPFRATURE (DEG F) AND THE OCCUPRENCE OF FDG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

		-									
AIR-SEA	53	57	61	65	69	73 76	77	81	TOT	W	WO
TMP DIF	56	60	64	68	72	76	80	84		FOG	FOG
11/13	.0	.0	.0	.0	.0	.1	.0	.0	1,	.0	.1
9/10	.0	.0	.0	.0	.0	. 1	. 1	. 2	7	.0	. 4
7/8	.0	.0	.0	.0	. 1	. 4	. 3	.0	15	.0	. 8
6	.0	.0	.0	.1	. 1	. 3	. 2	.0	12	.1	.6
5	.0	.0	.0	.5	. 3	1.0	. 1	.0	26	.0	2.4
4	.0	.0	.0	.5	.9	.9	. 1	.0	43	.0	2.4
3	.0	.0	.1	. 7	2.2	1.1	.0	.0	73	. 1	4.0
2	.0	.0	. 3	1.9	2.7	. 7	. 2	.0	104	. 1	5.7
1	.0	.0	. 5	2.4	3.2	. 8	. 1	.0	126	.1	6.9
0	.0	.0	.7	5.9	5.5	.3	.0	.0	222	. 3	12.1
4 3 2 1 0 -1 -2 -3	.0	. 1	1.3	8.0	3.3	.2	.0	.0	231	. 3	12.6
-2	.0	.1	2.8	9.2	2.6	. 1	.0	.0	265	. 1	14.7
-3	.0	.1	4.0	7.6	1.3	.0	.0	.0	233	. 2	12.8
-4	.0	.4	3.6	4.6	.4	.0	.0	.0	162	. 1	9.0
-5	.0	. 2	3.9	2.5	. 2	.0	.0	.0	123	. 1	6.8
-6	.1	.3	1.8	1.3	.0	.1	.0	.0	64	.0	3.6
-7/-8	. 1	.7	2.3	.6	. 1	.0	.0	.0	66	.0	3.7
-9/-10	.0	.4	.3	.1	.0	.0	.0	.0	14	.0	.8
-11/-13	.0	. 3	. 1	.0	.0	.0	.0	.0	7	.0	.4
-14/-16	.0	.0	. 1	.0	.0	.0	.0	.0	1	.0	. 1
TOTAL	2		391		412		18			24	1771
		46		815		108		.2	1795		
PCT	. 1	2.6	21.8	45.4	23.0	6.0	1.0	. 2	100.0	1.3	98.7

PERIOD: (OVER-ALL) 1963-1969

10 6

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT	1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.0	1.	.0	.0	•0	.0	.1	• 1	.5	.0	.0	.0	.0	
1-2	.0	. 5	.0	.0	.0	.0	.5	.0	.6	.1	.0	.0	.0	.6
3-4	.0	.3	.1	.0	.0	.0	. 4	.0	. 9	. 8		.0	.0	1.7
5-6	.0	.0	.2	.0	.0	.0	.2	.0	.0	. 5	.1	.0	.0	. 7
7	.0	.0	.0	.0	• 0	.0	.0	.0	.0	. 2	.1	.0	.0	. 4
8-9	.0	.0	.0	.0	+0	.0	.0	.0	.0	.1	.0	.0	.0	. 1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	. 1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	. 9	. 4	.0	.0	.0	1.3	.1	1.9	1.8	.4	.0	.0	4.3
HGT				E 22-33	34-47				4-10	11	SE 22-33	34-47	48+	PCT
	1-3	4-10	11-21			48+	PCT	1-3		11-21				
<1 1-2	.4													
				.0	.0	.0	. 5	•?	3.1	.0	.0	.0	.0	1.1
	.0	. 8	1.0	.0	• 0	.0	1.8	.0	3.1	2.1	.0	.0	.0	5.3
3-4	.0	1.0	1.0	.7	•0	.0	1.8	.0	2.1	2.1	.0	.0	.0	7.2
5-6	.0	1.0	1.0 4.0 3.8	.7	•0	.0	1.8 5.6 4.3	•0	3.1 2.1 .3	2.1 4.8 7.5	.0	.0	.0	5.3 7.2 8.7
5-6	.0	1.0 .1	1.0 4.0 3.8 2.1	.0 .7 .4	.0	.0	1.8 5.6 4.3 3.4	.0	3.1 2.1 .3	2.1 4.8 7.5 2.3	.0	.0	.0	5.3 7.2 8.7 5.2
5-6 7 8-9	.0	1.0 .1 .1	1.0 4.0 3.8 2.1	.0 .7 .4 1.1	.0	.0	1.8 5.6 4.3 3.4 1.5	.0	3.1 2.1 .3 .3	2.1 4.8 7.5 2.3 1.2	.0 .4 .9 2.5	.0	.0	5.3 7.2 8.7 5.2 2.0
5-6 7 8-9 10-11	.0	.8 1.0 .1 .1 .0	1.0 4.0 3.8 2.1	.0 .7 .4 1.1 1.1	.0	.0	1.8 5.6 4.3 3.4 1.5	.0	3.1 2.1 .3 .3	2.1 4.8 7.5 2.3 1.2	.0 .4 .9 2.5 .8	.0	.0	5.3 7.2 8.7 5.2 2.0
5-6 7 8-9 10-11 12	.0	.8 1.0 .1 .1 .0 .0	1.0 4.0 3.8 2.1 .4	.0 .7 .4 1.1 1.1	.0	.0	1.8 5.6 4.3 3.4 1.5	.0	3.1 2.1 .3 .0 .0	2.1 4.8 7.5 2.3 1.2	.0 .4 .9 2.5 .8	.0	.0	5.3 7.2 8.7 5.2 2.0
5-6 7 8-9 10-11 12 13-16	.0	.8 1.0 .1 .1 .0 .0	1.0 4.0 3.8 2.1 .4 .0	.0 .7 .4 1.1 1.1 .4 .4	.0	.0	1.8 5.6 4.3 3.4 1.5 .4	.0	3.1 2.1 .3 .0 .0	2.1 4.8 7.5 2.3 1.2	.0 .4 .9 2.5 .8 .6	.0	.0	5.3 7.2 8.7 5.2 2.0 .6
5-6 7 8-9 10-11 12 13-16 17-19	.0	.8 1.0 .1 .1 .0 .0	1.0 4.0 3.8 2.1 .4 .0 .1	.0 .7 .4 1.1 1.1 .4 .4	.0	.00000000000000000000000000000000000000	1.8 5.6 4.3 3.4 1.5 .5	.0	3.1 2.1 .3 .3 .0 .0	2.1 4.8 7.5 2.3 1.2 .0	.0 .4 .9 2.5 .8 .6 .2 .2	.0		5.3 7.2 8.7 5.2 2.0 .6
5-6 7 8-9 10-11 12 13-16 17-19 20-22	.00.00	.8 1.0 .1 .1 .0 .0 .0	1.0 4.0 3.8 2.1 .4 .0 .1 .1	.0 .7 .4 1.1 1.1 .4 .4	.0	.0	1.8 5.6 4.3 3.4 1.5 .5	.0	3.1 2.1 .3 .0 .0 .0	2.1 4.8 7.5 2.3 1.2 .0	.0 .4 .9 2.5 .8 .6 .2 .2	.0	.0	5.3 7.2 8.7 5.2 2.0 .6 .3 .8
5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.0	.8 1.0 .1 .1 .0 .0 .0	1.0	.0 .7 .4 1.1 1.1 .4 .3	.0	.0	1.8 5.6 4.3 3.4 1.5 .5 .5	.0	3.1 2.1 .3 .0 .0 .0 .0	2.1	.0 .4 .9 2.5 .8 .6 .2 .2		.0	5.3 7.2 8.7 5.2 2.0 .6 .3 .8
5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.0	.8 1.0 .1 .1 .0 .0 .0	1.0	.0 .7 .4 1.1 1.1 1.4 .4 .3	.0	.0	1.8 5.6 4.3 3.4 1.5 .5 .0	.0	3.1 2.1 .3 .3 .0 .0 .0	2.1	2.5			5.3 7.2 8.7 5.2 2.0 .6 .3 .0
5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	.0	.8	1.0	.0 .7 .4 1.1 1.1 1.4 .4 .3	.0	.00000000000000000000000000000000000000	1.8 5.6 4.3 3.4 1.5 .4 .5 .0 .0	.00.00	3.1 2.1 .3 .0 .0 .0 .0 .0	2.1	.0 .4 .9 .5 .8 .6 .2 .2 .0 .0 .0 .0 .0	000000000000000000000000000000000000000		5.3 7.2 8.7 5.2 2.0 .6 .3 .0
5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.00.00000000000000000000000000000000000	.8	1.0	111111111111111111111111111111111111111	.0	.0	1.8 5.6 4.3 3.4 1.5 5 0 0 0 0	.0	3.1 2.1 .3 .0 .0 .0 .0 .0	2.1	2.5	000000000000000000000000000000000000000	0000000000000000	5.3 7.2 8.7 5.2 2.6 3.8 0.0 0.0
5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	.00000000000000000000000000000000000000	.8	1.0	.0 .7 .4 1.1 1.1 .4 .4 .3 .0 .0	.0	.00000000000000000000000000000000000000	1.8 5.6 4.3 3.4 1.5 5 0 0 0 0 0 0	.00000000000000000000000000000000000000	3.1 2.1 3.3 .0 .0 .0 .0 .0 .0 .0	2.1	2.5	00000000000000000	00000000000000000	5.3 7.2 8.7 5.2 2.6 3.8 0.0 0.0
5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48	.0	.8	1.0	.0 .7 .4 1.1 1.1 .4 .3 .0 .0 .0	.0	.00000000000000000000000000000000000000	1.8 5.6 4.3 3.4 1.5 .5 .5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	000000000000000000000000000000000000000	3.1 2.1 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2.1	2.5	000000000000000000000000000000000000000	0000000000000000	5.3 7.2 8.7 5.2 2.0 6.3 8.0 0.0 0.0 0.0
5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.00000000000000000000000000000000000000	.8	1.0	.0 .7 .4 1.1 1.1 .4 .4 .3 .0 .0	.0	.00000000000000000000000000000000000000	1.8 5.6 4.3 3.4 1.5 5 0 0 0 0 0 0	.00000000000000000000000000000000000000	3.1 2.1 3.3 .0 .0 .0 .0 .0 .0 .0	2.1	2.5	00000000000000000		5.3 7.2 8.7 5.2 2.6 3.8 0.0 0.0

PAGE 090

PREFIND: (OVER-ALL) 1963-1969 TABLE 18 (CONT) TABLE 18										FEBR	UARY							
TABLE 18 (CONT) PCT FRED UP WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT 1-3 4-10 11-21 27-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 27-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 27-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 27-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 27-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 27-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 27-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47	PERIOD:	(DVE	R-ALL)	1963-1	969						-10.000.0				AREA	0017	CAPE LE	EUWIN
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-2 0 3.0 1.0 0.0 0.0 0.0 1.1 1.2 2.2 3.3 0.0 0.0 0.0 3.6 3-4 0.0 0.0 0.0 3.6 3-4 0.0 0.0 0.0 3.6 3-4 0.0 0.0 0.0 3.6 3-4 0.0 0.0 0.0 3.6 3-4 0.0 0.0 0.0 3.6 3-6 0.0 0.0 4.1 1.9 0.0 0.0 5.8 0.0 0.3 1.8 0.0 0.0 3.6 3-6 0.0 0.0 4.1 1.9 0.0 0.0 5.8 0.0 0.3 1.8 0.2 0.0 0.0 2.3 1.8 0.2 0.0 0.0 2.3 1.8 0.0 0.0 0.0 1.3 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0									TABLE	18	(CONT)					33.	95 11	.6F
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT 7 1-2 0 3.0 1.0 0.0 0.0 0.0 1.1 1.2 2 0.0 3.0 1.0 0.0 0.0 0.0 1.1 1.2 2 0.0 3.0 1.0 0.0 0.0 0.0 0.0 1.1 1.2 2 0.0 3.0 0.0 0.0 3.6 3-4 0.0 0.0 0.0 3.6 3-4 0.0 0.0 0.0 3.6 3-4 0.0 0.0 0.0 3.6 3-4 0.0 0.0 0.0 3.6 3-4 0.0 0.0 0.0 3.6 3-4 0.0 0.0 0.0 3.6 3-4 0.0 0.0 0.0 3.6 3-4 0.0 0.0 0.0 3.6 3-4 0.0 0.0 0.0 3.6 3-4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.																		
HGT 1-3 4-10 11-21 27-33 34-97 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-2 4-10 11-21 22-33 34-47 48+ PCT 1-2 10 3.0 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .					PC	T FREO	OF WI	NE SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
HGT 1-3 4-10 11-21 27-33 34-97 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-2 4-10 11-21 22-33 34-47 48+ PCT 1-2 10 3.0 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .																		
1														SW				
1-2							48											
3-4	<1	. 3	.7	. 1				0 1.1			. 2			.0	.0			
7	1-2	.0	3.0			.0		0 4.0			.0				.0	.0		
7	3-4	.0	2.1	5.2	. 3	.0		7.6			.0			.0	.0	.0		
7	5-6	.0	.0	4.1	1.6	.0		0 5.8			.0	. 3	1.8	. 2	.0	.0		
10-11	7			1.5		.0		0 3.0			.0	. 1		.1	.0	.0		
10-11	8-9		.0	.8	. 9	.0		0 1.6			.0	. 6			.0	.0	1.3	
12	10-11			.1	.1	.0		0 .3			.0			.0	.0	.0	. 1	
13-16	12				.0	.0					.0	. 0				.0	.0	
17-19				.0	.3	.0					.0	. (.0	*	
20-22					.0	.0					.0	. 0			.0	.0	.0	
23-25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20-22			.0	.0	.0					.0	. (.0	.0	
26-32												. 0						
1												. (
41-48 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
49-60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
#1-70																		
71-86 0 0 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
TOT PCT 3 6.2 12.8 4.5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																		
TOT PCT																		
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT 7 1-3 1-2 1 1 1 3																		
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT C1 0.0 3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TOT PUT		0.2	12.0	4.5	• •		25.1			• 2	٠.	, ,,,	•••	•	• 0	12.0	
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT 41 00 3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.																		
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT C1 0.0 3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0					W									NW				TOTAL
\$\begin{array}{cccccccccccccccccccccccccccccccccccc	HGT	1-3	4-10	11-21		34-47	48	PCT			1-3	4-10	11-21		34-47	48+	PCT	
1-2																		
3-4 0 9 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						.0												
5-6																	. 7	
7								0 .9										
8-9																		
10-11 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1																		
13-16																		
13-16																		
17-19																		
20-22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
23-25																		
26-32 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
33-40																		
41-48 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																		
49-60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																		
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																		
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																		
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																		
TUT PLT .1 2.7 2.0 .3 .1 .0 5.2 .3 1.1 1.0 .1 .0 .0 2.5 99.4																		
	TUT PLT	. 1	2.7	2.0	. 3	• 1		5.2			. 3	1.1	1.0	.1	.0	.0	2.5	99.4

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нет	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1		3.4		•	.0	.0	5.3	003
1-2	1.8	13.2	5.4	.0	.0	.0	19.3	
3-4		9.1				.0	28.1	
	.0		17.6	1.3				
5-6	.0	1.2	18.5	3.2	.0	.0	22.9	
7	.0	. 9	7.4	5.3		.0	13.5	
8-9	.0	.6	3.1	2.9	.0	.0	6.6	
10-11	.0	. 3	. 1	1.3	.0	.0	1.8	
12	.0	.0	.1	.6	.0	.0	.7	
13-16	.0	. 1	.6	.9	.1	.0	1.8	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0		.0	.0	
61-70	.0	.0	.0	.0		.0	.0	
71-86	.0	.0	.0	.0		.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
Carron was a								680
TOT PET	2.4	28.8	53.1	15.6	.1	.0	100.0	

TABLE 1

AREA 0017 CAPE LEEUWIN 33.95 114.5E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					UTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	2.9	2.3	2.3	.0	.0	.0	.0	7.4	1.7	.0	3.4	.0	11.4	.0	76.0
NE	3.8	1.4	.0	.0	.0	.0	.0	5.3	1.9	2.2	6.7	.0	3.8	.0	81.0
E	1.8	1.4	1.3	.0	.0	.0	.0	4.5	.2	1.7	3.2	.2	2.0	.0	88.5
SE	.4	.4	1.4	.0	.0	.0	.0	2.3	.4	. 8	5.0		1.5	.0	89.9
S	2.4	1.8	1.0	.0	.0	.0	.0	5.2	1.2	.4	2.0	.0	1.4	.0	89.8
SW	2.6	2.6	. 1	.0	.0	.0	.0	5.4	1.8	. 8	1.2	.0	. 8	.0	90.4
W	4.1	6.7	2.2	.0	.0	.0	.0	12.9	.7	.9	1.2	.0	. 3	.0	84.5
NW	1.8	5.7	.5	.0	.0	.0	.0	8.1	5.5	.5	3.1	.0	.0	.0	83.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.1	.0	.0	.0	•0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	92.9
TOT PCT	2.2	2.3	1.1	.0	•0	.0	.0	5.5	1.1	.9	2.9	•	1.5	.0	88.2

TABLE 2

DERFENT	EREDIJENCY	DE	WEATHER	DCCURRENCE	RY	HDUS

						ALC: NO CONTRACTOR									
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HATL	PCPN AT	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	2.6 2.0 2.5 1.3	1.9 2.3 2.6 2.5	1.5 .4 1.7 .5	.0 .0 .0	.0	.0	.0	6.0 4.6 6.8 4.3	1.2 1.4 .8 1.1	.6 .2 1.2 1.4	3.6 3.4 2.8 2.2	.1 .0 .0	2.0 1.2 1.7	.0	86.8 89.4 86.7 90.4
TOT PCT	2.1	2.3	1.1	.0	•0	.0	.0	5.5	1.1	.9	3.0	•	1.5	.0	88.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIT	IN SPE	ED (KN	1270								HOUR	(GMT)			
WND DIR	0-3				34-47	48+	TOTAL	PCT	MEAN SPD	00	03	06	09	12	15	18	21
N	. 1	. 8	•6	. 2		.0		1.7	12.3	3.2	3.3	1.2	1.1	. 6	. 8	1,4	
NE	.2	1.8	2 . 2	. 3	.0	.0		4.4	12.2	8.5	4.8	3.0	2.3	2.0	4.7	3,4	5.7
E	. 8	4.6	7.2	2.0	. 1	.0		14.7	13.9	16.3	17.0	13.0	11.7	12.1	15.8	14.4	19.0
SE	.6	8.7	12.1	2.8	. 2	.0		24.5	13.7	22.1	21.9	24.3	25.1	24.5	28.2	29.5	21.7
S	. 8	7.9	10.0	2.7	. 2	.0		21.5	13.4	18.9	19.3	19.6	23.7	25.5	21.2	21.6	20.7
SW	.5	7.4	7.8	2.0	. 1	.0		17.8	13.0	16.5	15.8	20.3	19.8	19.4	16.9		16.4
W	.3	4.1	4.2		. 2	.0		10.6	14.0	9.6	11.2	14.7	10.7	11.0	8.5	6.7	
NW	. 2	1.5	1.6	.7		.0		4.0	13.4	4.2		3.8			3.6		4.3
VAR	.0	.0	.0		.0	.0		.0	.0	• 2	.0	.0	.0		.0	.0	. 0
CALM	. 9	• •			• •	• •		.9	.1	.6	1.3	.2	.6		.4		1.2
TOT DBS	160	1323	1650	447	30	0	3610	• •	13.3	695	389	450	328	724	266	423	335
TOT PCT	4.4	36.6		12.4		•0	2010	100.0	15.5	100.0		100.0					

	ī	2	Δ

		WIND	SPEED	(KNOTS)						HOU	(GMT)
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						DRS	FREQ	SPD	03	09	15	21
N	.3	1.0	.4		.0		1.7	12.3	3.3	1.2	.7	1.5
NE	. 8	2.3	1.2		.0		4.4	12.2	7.2	2.7	2.8	4.4
E	2.4	6.7	5.0	.6	.0		14.7	13.9	16.6	12.5	13.1	16.4
S E	3.2	13.1	7.3	. 9			24.5	13.7	22.0	25.0	25.5	26.1
5	3.3	11.3	6.0	. 8			21.5	13.4	19.1	21.3	24.4	21.2
SW	2.8	9.8	4.5	.6			17.8	13.0	16.2	20.1	18.7	16.3
W	1.7	5.4	2.7	. 7	.0		10.0	14.0	20.2		10.3	9.0
NW	. 9	1.9	1.1		.0		4.0	13.4	4.7	3.9	3.7	3.8
VAR	.0	.0	.0	.2	.0		.0	.0	.0	.0	.0	.0
CALM	.9						. 9	• 1	. 8	.4	.9	1.3
TOT DAS	589	1858	1021	140	2	3610		13.3	1084	778	990	758
TOT PCT	16.3	51.5	28.3	3.9	. 1		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1912-1971 (OVER-ALL) 1855-1971

TABLE 4

AREA 0017 CAPE LEEUWIN 33.95 114.5E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	085
00603	. 8	3.7	38.7	43.7	12.2	.8	.0	13.1	100.0	1084
90300	. 4	3.5	34.6	46.5	14.4	.6	.0	13.7	100.0	778
12615	.9	3.7	34.8	46.6	12.7	1.2	.0	13.7	100.0	990
18621	1.3	3.3	38.1	46.6	10.2	.5	.0	12.9	100.0	758
TOT	31	129	1323	1650	447	30	0	13.3		3610
007		2 6	24 4				0		100 0	100000000000000000000000000000000000000

TABLE .

TABLE 6

P	CT FRE			LOUD A		EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 08505	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999		NH <5/8 ANY HGT	
N	.5	.1	.7	. 3		4.8	.0	.0	.0	.1	.2	. 1	. 1	.0	.0	.2	.7	
NE	2.1	. 4	.9	.7		3,5	.0	.1	.0	. 1	. 5	.5	.0	.0	.0	. 1	2.9	
E	8.0	1.5	2.8	2.2		3.1	.0	.0	.1	. 3	1.2	.6	.6	. 3	.0	.1	11.3	
SE	10.2	3.3	5.9	3.8		3.7	.0	.0	. 2	. 9	2.1	2.6	1.0	. 5	.1	. 1	15.6	
5	5.0	3.0	8.3	4.9		5.0	. 1	.0	. 1	1.1	5.2	2.7	1.3	. 5	. 1	. 2	10.2	
SW	2.3	3.9	A.6	4.0		5.4		.0	.3	1.5	4.9	2.6	1.1	. 2	. 1	. 2	7.9	
W	2.3	1.7	5.5	2.4		5.2	.1	.0		. 9	2.7	1.5	. 8	. 3	.0	. 1	5.6	
NW	. 9	.7	1.6	.7		4.9	.0	.0	. 1	.2	.7	.7	. 2	.0	.0		2.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM TOT OBS	428	199	468	257	1352	2.5	.0	.0	11	69	236	154	70	24	.0	13	769	1352
TOT DET	21 7	14 7	24 6	10 0		-	,	. 1	. 8	5.1	17.5	11-4	5.2	1.8	. 2	1.0	56.9	100.0

TABLE 7

CUMULATIVE PCT FRFQ DF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM)			
CF	ILING	- DR	• DR	= OR	₩ DR	■ DR	- OR	• OR	- DR
(F	EFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR	>6500	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
- OR	>4000	2.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9
. DR	>3500	7.1	8.1	8.3	8.3	8.3	8.3	8.4	8.4
- OR	>2000	17.2	19.4	19.6	19.6	19.6	19.6	19.7	19.7
	>1000	33.0	36.4	36.9	36.9	36.9	36.9	37.0	37.0
. OR		36.6	41.4	42.0	42.0	42.0	42.0	42.1	42.1
- DR	>300	31.1	42.1	42.8	42.8	42.8	42.8	42.9	42.9
. DR		37.1	42.1	42.8	42.8	42.9	42.9	43.0	43.0
- OR		37.2	42.2	42.9	43.0	43.1	43.1	43.1	43.1
	TOTAL	511	580	590	591	592	592	593	593

TOTAL NUMBER OF OBS: 1375 PCT FREQ NH 45/81 56.9

TABLE 7A

PERCENTAGE FREG OF LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD DBS 17.9 13.4 10.2 8.0 8.0 7.0 9.9 11.6 13.9 .1 1506

	D	-	ш

							m	AKCH						
PERIOD: (PRIMARY) 1 (OVER-ALL) 1							TA	8LE 8				ARE		LEEUWIN 114.5E
		PI	ERCENT	PREC	OF WIN	D DIRE	CIION TH VAR	VS DC	URRENCE VALUES	E OR I	NON-DCC	URRENC	E OF	
VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	NO PCP	.0	.0			.0	*		.0	.0	.0	. 1		
	TOT %	.0	.0	*		.0			.0	.0	.0	. 1		
	PCP	•0	.0		.0		.0			.0	.0	.1		
1/2<1		• 1	. 3	. 4	.6	2	. 2	. 1	. 1	.0	.0	2.1		
	TOT %	. 1	. 3	. 5	.6	.3	.0	. 1	. 1	.0	.0	2.2		
	PCP	.0		.0	.0			.0	.0	.0	.0	.1		
1<2	NO PCP	• 1	.0	. 1	. 1	. 2	. 1	. 1	.0	.0	.0	. 8		
	TOT %	• 1		. 1	. 1	.2	.2	• 1	.0	.0	.0	.8		
	PCP		.0	.0	. 1	.1	.1	.1		.0	.0	.5		
2<5	NO PCP	.0	*	.0	.1	.1	.2	• 1	.1	.0	.0	.6		
	TOT %	*		.0	. 1	.3	.3	. 2	. 1	.0	.0	1.1		
	PCP		. 2	. 4	. 3	.7	.6	.9	. 2	.0		3.4		
5<10	NO PCP	.7	1.3	4.1	7.4	5.7	3.9	3.6	1.3	.0	.1	28.1		
	TOT %	.7	1.5	4.5	7.7	6.4	4.6	4.5	1.5	.0	.1	31.5		
	PCP	• 1	.0	.2	. 1	.3	.2	.4	. 1	.0	.0	1.3		
10+	NO PCP	• 8	2.5	9.1	14.8	13.9	12.4	6.6	2.2	.0	. 5	62.8		
	TOT %	. 9	2.5	9.3	14.9	14.2	12.6	7.0	2.2	.0	.5	64.1		

TOT OBS 70T PCT 1.8 4.3 14.5 23.6 21.3 17.9 12.0 4.0 .0 .6 100.0

TABLE 9

				PERCEN	T FREG	ARYING	ND DIF	RECTION S OF V	VS WI	ND SPE	ED		
VSBY (NM)	SPD KTS	N	NE	Ε	\$E	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	*	.0	*	*	.0	.0		.1	
	11-21	.0	.0		.0	.0	.0	.0	.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0			.0	*	•	.0	.0	.0	.1	
	0-3	.0	.0		*	*	*			.0	.0	.1	
1/2<1	4-10	*	.1	. 2	. 3	. 1	. 1	. 1	.0	.0		. 9	
	11-21		.1	. 2	. 2	. 1	*		. 1	.0		.7	
	22+	.0	*		. 1	. 1	.0			.0		. 2	
	TOT %	.1	• 2	. 4	.6	. 3	. 2	.1	.1	.0	.0	2.0	
	0-3	.0	.0		.0	.0			.0	.0	.0	.1	
1<2	4-10	*	.0	. 1	. 1	. 2	*	*	.0	.0		. 4	
	11-21		*		. 1	. 1	*		.0	.0		. 3	
	22+	*	.0	.0	.0	.0	. 1	.0	.0	.0		. 1	
	TOT %	. 1		. 1	. 2	. 2	.2	.1	.0	.0	.0	.9	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10		• 1		.1	. 2	. 1			.0		. 5	
	11-21	. 1	. 1	.0	. 2	.1	. 2	. 1	. 1	.0		. 8	
	22+	.0	.0	.0	.0		*	.1		.0		. 2	
	TOT %	. 1	• 1	•	.3	.4	.3	. 2	.1	.0	.0	1.6	
	0-3		• 1	.2	. 1	. 1	.1	.1	.1	.0	.1	1.0	
5<10	4-10	.4	.5	1.2	2.6	1.8	1.3	1.9	. 6	.0		10.2	
	11-21	. 1	.6	2.2	3.9	3.1	2.0	1.5	. 4	.0		13.8	
	22+	. 1	. 2	.7	.6	.9	. 8	.7	. 3	.0		4.4	
	TOT %	.6	1.4	4.3	7.2	5.8	4.3	4.2	1.4	.0	.1	29.3	
	0-3	. 1	.1	.5	.5	.5	.3	.3	.1	.0	.4	2.7	
10+	4-10	. 4	1.3	3.0	5.7	5.7	5.1	2.4	1.0	.0		24.5	
	11-21	. 3	1.2	4.9	8.1	7.0	5.8	2.8	. 9	.0		31.1	
	22+	. 1		1.1	1.8	1.7	1.5	1.1	. 4	.0		7.7	
	TOT *	.9	2.6	9.5	16.2	14.9	12.6	6.6	2.3	.0	.4	66.1	
	TOT DAS												2693
1	TOT PCT	1.8	4.4	14.4	24.4	21.7	17.5	11.2	4.0	.0	.6	100.0	

40

MARCH

PERIOD: (PRIMARY) 1912-1971 (OVER-ALL) 1855-1971

TABLE 10

AREA 0017 CAPE LEEUWIN 33.95 114.5E

PERCENT	FREQUENCY	OF	CEILING	HEIGHTS	(FEET, NH	>4/81	AND
	DCCHE	DE	NCE DE NI	4 65/8 A	Y HOUR		

HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499		5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00803	.0	.3	.8	6.6	18.9	12.5	4.5	2.7	.3	.5	47.1	52.9	376
90360	.3	.0	.8	5.3	14.8	9.8	4.5	1.3	.3	1.1	38.0	62.0	379
12615	.0	.0	1.4	2.9	16.6	10.0	4.9	1.1	.3	.9	38.0	62.0	350
18821	.3	.0	•0	4.2	15.4	10.4	6.7	1.4	.0	1.1	39.6	60.4	356
TOT PCT	2	.1	11	70 4.8	240	156	75 5.1	24	.2	13	595 40.7	866 59.3	1461

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	AND/DR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	. 1	2.6	1.0	1.8	31.3	63.2	771	00803	.0	1.4	9.7	40.3	50.0	352
90360	.0	2.6	.5	1.1	26.5	69.3	618	90360	.3	1.1	7.3	33.6	59.1	357
12615	. 1	2.1	1.6	2.3	31.5	62.3	746	12815	.0	1.5	6.1	35.3	58.6	326
18821	. 3	1.0	.5	.7	27.7	69.8	610	18821	. 3	.9	5.3	36.5	58.2	340
TOT PCT	.1	58 2 · 1	26	42	809 29.5	1806	2745 100.0	PCT	.1	17	98 7.1	501 36.4	776 56.4	1375 100.0

TABLE 13

T.B. E. 1

	PERCE	NT FR	QUENC	Y DF RI	ELATIVE	HUMI	DITY BY	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTION	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	. 1	.0	.0	.0	.0	1	.1	.0	.0	.0	.0	.0	.0			.0	.0
80/84	.0	.0	.0	.0	.1	. 1	.0	.0	2	.1	.0	.0	.0			.0	. 1	.0	.0	.0
75/79	.0	.0	. 1	. ?	.6	. 8	.3	. 2	38	2.2	.1	. 1	.5	. 6	. 4	. 1	. 2	.1	.0	. 1
70/74	.0	.0	.0	. 8	2.8	4.3	5.9	3.5	298	17.3	.5	1.3	2.6	4.7	2.8	1.8	2.1	1.1	.0	. 1
65/69	.0	.0	.2	2.0	7.8	14.8	16.9	8.6	866	50.2	.6	2.0	8.1	13.1	9.9	8.4	6.1	1.7	.0	. 2
60/64	.0	.0	. 1	2.2	7.8	9.3	6.2	2.4	485	28.1	.3	.5	3.3	5.5	7.9	7.1	2.6	. 8	.0	.1
55/59	.0	.0	.0	.2	.4	.6	.5	.3	36	2.1	.2	. 2	.1	. 1	. 4	. 5	. 4	. 2	.0	.0
TOTAL	0	0	6	95	338	516	512	259	1726	100.0										
PCT	.0	.0	.3	5.5	19.6	29.9	29.7	15.0			1.7	4.4	14.7	24.0	21.4	18.0	11.5	3.8	.0	.5

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY 400	R
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	81	76 79	73 75	66	61	59 59	55	66.6	1064 765	00603	.0	5.3	17.8	31.0	28.6	17.3	78 74	490
12815	85	77	73	66	61	59	55	66.5	983	12615	.0	5.8	15.5	28.8	33.5	16.4	78	451
18821	83	74	72	65	60	57	55	65.5	763	18821	.0	2.9	18.5	30.3	32.5	15.6	78	409
TOT	86	77	73	66	61	59	55	66.6	3575	TOT	0	103	347	523	523	263	77	1759

PERIOD: (PRIMARY) 1912-1971 (DVER-ALL) 1855-1971

TABLE 17

AREA 0017 CAPE LEEUWIN 33.95 114.56

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	53	57	61	65	69	73 76	77	81	101	FOG	FOG
IMP DIF	56	60	64	00	12	10	•0	04		FUG	FU0
11/13	.0	.0	.0	.0	.0	.0	.3	.0	1	.0	
9/10	.0	.0	.0	.0	.0	.1	. 3	.0	9	.0	.7
7/8	.0	.0	.0	.0	. 1	. 3	. 3	.0	16	. 1	.7
6	.0	.0	.0	*	. 1	. 3	. 1	.0	12	*	. 5
5	.0	.0	.0	. 1	. 2	. 6	. 1	.0	21	.1	. 8
4	.0	.0	.0	.2	. 4	.6	.1	.0	32	.1	1.4
4 3 2 1 0 -1 -2 -3 -4 -5	.0	.0		.3	1.4	. 8	.1	.0	54	. 2	2.4 5.0 7.7 10.0
2	.0	. 1	.1	1.4	2.6	1.1	. 1	.0	116	. 5	5.0
1	.0	.0	. 1	2.5	4.4	1.1	.0	.0	174	. 5	7.7
0	.0	.0	.7	5.2	4.4	.3	.0	.0	225	. 6	10.0
-1	.0	.0	1.3	7.3	3.3	.2	.0	.0	258	. 5	11.7
-2	.0	.2	2.6	7.8	2.5	.1	.0	.0	282	. 3	13.0
-3	.0	. 3	2.6	7.4	1.6	.0	.0	.0	282 257	.1	13.0
-4	.0	.5	4.8	4.9	. 8	.0	.0	.0	233	. 3	10.7
-5	. 1	.5	3.3	2.9	. 2	.0	.0	.0	149	.1	6.9
-6	.0	.6	4.0	1.1	. 1	.0	.0	.0	123	.0	5.8
-7/-8	.1	1.1	3.8	1.1	.0	.0	.0	.0	121	.0	5.8
-9/-10	. 1	.2	.6	.1	.0	.0	.0	.0	22	.0	1.0
-11/-13	.0	.4	. 1	. 1	.0	.0	.0	.0	15	.0	. 7
-14/-16	.0	. 1	.0	.0	.0	.0	.0	.0	3	.0	2051
TOTAL	6		518		473		24			72	2051
		86		895		120		1	2123		
PCT	. 3	4.1	24.4	42.2	22.3	5.7	1.1		100.0	3.4	96.6
		-									

PERIOD: (DVER-ALL) 1963-1971

				Po	T FREG	DF WIND	SPEED (KTS) AND DIR	ECTION V	ERSUS S	EA HEIG	HTS (FT)		
				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	• 0	• 0	.0	• 1	.3	.0	.0	.0	.0	. 5
1-5	.0	. 5	. 1	.0	• 0	.0	.6	.0	1.1	. 4	.0	.0	.0	1.6
3-4	.0	. 4	.0	.0	.0	.0	. 4	• 0	.3	.6	.0	.0	.0	. 9
5-6	.0	.0	.4	.2	• 0	• 0	.6	.0		.7	.0	.0	.0	1.0
7	.0	.0	.1	.0	.0	.0	. 1	.0	.0	.3	.0	.0	.0	. 3
8-9	.0	.0	.0	.1	.0	.0	. 1	.0	.0	. 1	.0	.0	.0	. 1
10-11	.0	.0	.0	.1	.0	.0	. 1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	• 0	• 0	.0	.0		.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	• 0	• 0	.0	0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	. 9	.6	.4	.0	• 0	1.8	• 1	2.0	2.2	.0	.0	.0	4.3
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3		11-21	22-33	34-47	48+	PCT
<1	.0	1.0	.0	.0	.0	• 0	1.C	. 3			.0	.0	.0	. 8
1-2	.0	1.7	.7	.0	.0	.0	2.4	• 1	2.2	. 8	.0	.0	.0	3.2
3-4	.0	1.5	2.5	.0	.0	.0	4.0	.0		4.2	.5	.0	.0	8.1
3-6	.0	. 2	3.2	.9	.0	.0	4.3	.0		4.3	.4	.0	.0	5.2
7	.0	. 1	1.0	. 1	.0	.0	1.3	.0		1.8	.6	.0	.0	2.4
8-9	.0	.0	.5	.1	.0	.0	.6	.0	.0	. 3	.5	.0	.0	. 8
10-11	.0	.0	.0	. 1	.0	.0	. 1	.0		.3	.0	.0	.0	.3
12	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
13-16	.0	.0	.0	. 1	.0	.0	. 1	.0		.0	.3	.0	.0	.3
17-19	.0	.0	.0	.0	.0	• 0	.0	.0		.0	. 3	.0	.0	.3
20-22	.0	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	•0		.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	• 0	• 0	.0	.0		.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	• 0	• 0	.0	• 0		.0	.0	.0	.0	.0
TOT PCT	.0	4.5	8.0	1.4	.0	.0	13.9	. 4	6.5	11.8	2.5	.0	.0	21.2

									MARCH								
PERIOD:	COVER	-ALL)	1963-1	971						-				AREA	0017		
								TABLE	18 (CD	NT)					33.	95 114	. 5E
				Pr	T FREQ OF	WIND	SPEED	(KTS)	AND DI	RECT	TON	VERSUS	SEA HETG	HTS (FT)			
					I FREE OF	MINU	SFEED	14137	A140 0.				SEM HETO				
				5									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-		4-10		22-33	34-47	48+	PCT	
<1	.4	.5	. 1	.0	• 0	.0	1.0				.4	.0	.0	.0	.0	.7	
1-2	. 3	3.0	1.2	.0	• 0	.0	4.5			*	3.1	1.3	.0	.0	.0	4.4	
3-4	.0	2.1	5.3	.6	• 0	.0	7.9				1.2	2.8	.2	.0	.0	6.6	
5-6	.0	.6	3.4	.8	• 0	.0	4.7			0	.1		. 4	.0	.0	2.3	
8-9	.0	.0	.9	1.3	• 0	• 0	2.2			0	.0	1.4	.7	.0	.0	.9	
10-11	.0	.0	.1	.2	.1	.0	1.0				.0	.0			.0	.1	
12	.0	.0	.0	.0	.0	.0	.0				.0	.0			.0	.6	
13-16	.0	.0	.0	.0	.0	.0	.0				.0			.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0				.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			0	.0	0	.0	.0	.0	.0	
TUT PCT	. 7	6.1	11.5	3.3	• 1	• 0	21.7			3	8.4	10.3	2.7	. 1	.0	21.7	
				W									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-		4-10		22-33	34-47	48+	PCT	PCT
<1	. 2	.4	.0	.0	•0	• 0	.6			0		.0	• 0	.0	.0	*	
1-2	.3	1.5	1.3	.0	.0	• 0	2.6			0	.2	.3	•0	.0	.0	.7	
5-6	.0	.9	2.2	.4	.1	.0	3.1			0	.1	.7	.1	.0	.0	. 9	
7	.0	.1	.5	.9	.0	.0	1.5				.0	.1	.1	.0	.0	.3	
8-9	.0	.0	.1	.1	.0	.0	.2				.0	.0		.1	.0	.2	
10-11	.0	.0	.0	.0	.1	.0	.1			ō	.0	.0	.3	.0	.0	.3	
12	.0	.0	.0	. 1	. 2	.0	. 3			0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.1	.2	• 1	.0	. 5			0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	• 0	.0	.0			0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	.0	.0			0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	• 0	.0				.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0			0	.0	.0	• 0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	•0	.0			0	.0	.0	.0	.0	.0	.0	
61-70 71-86	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
TOT PCT	.6	3.2	5.0	2.2	.6	.0	11.6			*	.8	1.4	.6	.1	.0	3.0	99.2
	.0	3.6	2.0	2.2		•0	11.0			7.70			.0	••	.0	5.0	,,,,

	15								
		MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT		0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1		2.3	3.2	.1	.0	.0	.0	5.6	003
1-2		.8	13.1	5.7	.0	.0	.0	19.7	
3-4		.0	12.5	17.0	1.7	.0	.0	31.2	
5-6		.0	3.2	19.4	3.2	.1	.0	25.9	
7		.0	. 4	6.1	3.9	.0	.0	10.4	
8-9		.0	.0	1.7	1.9	.3	.0	3.9	
10-11		.0	.0	. 4	. 8	.1	.0	1.3	
12		.0	.0	.0	.7	.3	.0	. 9	
13-16		.0	.0	.1	.7	.1	.0	. 9	
17-19		.0	.0	.0	.3	.0	.0	.3	
20-22		.0	.0	.0	.0	.0	.0	.0	
23-25		.0	.0	.0	.0	.0	.0	.0	
26-32		.0	.0	.0	.0	.0	.0	.0	
33-40		.0	.0	.0	.0	.0	.0	.0	
41-48		.0	.0	.0	.0	.0	.0	.0	
49-60		.0	.0	.0	.0	.0	.0	.0	
61-70		.0	.0	.0	.0	.0	.0	.0	
71-86		.0	.0	.0	.0	.0	.0	.0	
87+		.0	.0	.0	.0	.0	.0	.0	
									753
TOT PC	T	3.1	32.4	50.6	13.0	.9	.0	100.0	

PERIOD	: (ov	ER-ALL	194	9-1971					TABLE	19											
					PERCEN	T FRE	DUENCY	OF WAY	E HEI	SHT (F1) VS	WAVE P	ERIOD	SECON	05)						
PERIOD (SEC)	< 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	. 8	3.8	8.3	4.2	2.6	1.2	. 7	.0	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	253	4
6-7	.0	. 8	3.2	6.8	5.9	3.6	1.3	.6	. 7	. 1	. 2	.0	. 1	.0	.0	.0	.0	.0	.0	264	7
8-9	.0	. 2	1.1	3.3	5.4	4.7	3.1	1.3	1.3	. 3	. 1	.0	. 1	.0	.0	.0	.0	.0	.0	235	8
10-11	.0	. 2	. 3	1.2	3.2	2.6	2.2	1.7	1.3	.4	. 2	.1	. 2	.0	.0	.0	.0	.0	.0	153	9
12-13	.0	.0	. 2	. 3	.6	1.2	1.2	1.0	1.1	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	64	10
>13	.0	.0	.0	. 3	.6	. 6	1.1	. 6	. 4	. 2	.3	. 1	. 4	.0	.0	.0	.0	.0	.0	52	1.2
INDET	. 8	1.4	2.1	1.2	1.2	1.5	. 7	.6	. 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	115	6
TOTAL	18	72	171	196	221	177	118	66	67	13	8	2	8	0	0	0	0	0	0	1137	7
PCT	1.6	6.3	15.0	17.2	19.4	15.6	10.4	5.8	5.9	1.1	.7	.2	.7	.0	.0	.0	.0	.0	.0	100.0	

AREA 0017 CAPE LEEUWIN 33.95 114.5E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

				RECIPI	TATIO	TV05					07450	HEATHER	DUENO	we	
				MEGIFI	14110	TIPE					UTHEK	WEATHER	PHENU	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N NE	2.1	1.5	3.0	.0	.0	.0	.0	3.6	3.2	.0	3.4	.0	.8	.0	89.0
E SE	2.4	1.9	2.1	.0	.0	.0	.0	6.5	1.5	1.4	1.0	.0	.5	.0	89.9
Sw	2.2	4.0	1.1	.0	.0	.0	.3	7.5	1.7	.0	.5	.0	.1	.0-	90.1
W W	3.8	11.6	1.8	.0	.0	.0	.0	17.2	3.0	:6	.7	.0	.7	.0	81.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	82.0
CALM	.0	.0	.0	•0	• 0	• 0	.0	.0	5.3	5.3	.0	,0	5.3	.0	84.2
TOT PCT TOT OBS:	2.7	5.3	1.6	.0	• 0	.0		9.7	2.2	.7	1.0		.5	.0	85.9

TARIE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			F	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMDKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	2.9 2.1 3.1 3.0	5.5 5.4 5.8 4.0	1.3 1.7 1.9 1.5	.0	.0	.0	.0	9.7 9.2 10.9 8.5	1.9 1.9 2.2 2.8	.0 1.1 2.1	1.2 1.3 1.1 1.1	.0	.6 .2 .6		86.7 86.7 84.8 84.9
TOT PCT	2.8	5.2	1.6	.0	•0	.0	*	9.6	2.2	.8	1.2		.5	.0	85.8

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT	SPD	00	03	06	09	12	15	18	21
N	.4	2.5	1.6	.4	.1	.0		5.0	11.2	7.1	5.9	5.3	3.0	3.1	3.8	5.6	5.4
NE	. 5	3.5	3.5	. 8	. 1	.0		8.4	12.3	12.9	9.4	6.7	5.3	5.3			
E	.5	4.3	6.5	1.3	. 1	.0		12.6	13.1	12.8	12.3	15.1	8.8				
SE	.7	6.6	7.5	1.1	.1	.0		15.9	12.3	14.6	14.6	16.6				15.9	
S	1.0	6.9	6.6	1.0	.3	.0			11.8	13.9	15.2						13.8
SW	. 8	7.1	6.7	2.4	. 8	*		17.8	14.1	16.9	17.5	16.7					17.5
W	. 7	5.2	6.2	2.7	.7	.1		15.6	15.4	12.8							15.5
NW.	. 4	2.8	3.1	. 8	.3			7.4	13.7	8.3							
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		.0	.0	
CALM	1.5				•			1.5	.0	.6	1.1	. 9	3.4			1.5	
TOT DBS	218	1349	1450	370	78	5	3470		13.0	689	363	426	297	706	264	399	
TUT PCT	6.3	38.9			2.2	- 1	- 1.0	100.0									100.0

		WIND	SPEED	(KNDTS)						HOU	R (GMT)	
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18	
						DBS	FREQ	SPO	03	09	15	21	
N	1.5	2.4	.9		.0		5.0	11.2	6.7	4.4	3.3	5.5	
NE	1.9	4.3	1.9	. 3	.0		8.4	12.3	11.7	6.1	6.4	8.5	
E	2.1	6.8	3.6	. 2.	.0		12.6	13.1	12.6	12.6	12.6	12.7	
SE	3.2	8.3	4.1	.2			15.9	12.3	14.6		17.1	15.9	
5	4.0	7.9	3.5				15.8	11.8	14.4	16.0	17.5	15.3	
SW	3.3	8.8	3.9	1.4	. 3		17.8	14.1	17.1	17.8	18.8	17.4	
W	2.5	6.7	4.5	1.7	. 2		15.6	15.4	13.6		15.6	15.3	
NW	1.6	3.5	1.6	.6	. 1		7.4	13.7	8.6	6.2	7.1	7.3	
VAR	.0	.0	.0	.0	.0		.0	• 0	.0	.0	.0	.0	
CALM	1.5						1.5	.0	. 8	1.9	1.5	1.9	
TOT DAS	752	1689	837	165	23	3470		13.0	1052	723	970	725	
TOT PCT	21.7	48.7	24.1	4.	. 7		100.0				100.0		

Δ	0	٥	F	
*	-	-	-	

PERICO:	(PRIMARY)	1913-1969
	10.00 A	1857 10/0

AREA 0017 CAPE LEEUWIN 33.95 114.5E

DEPCENTAGE	ERECHENICY	nt	WIND	SPEED	RY	HOUR	(CMT)

HOUR	CALM	1-3	4-10	WIND	SPEED (KNOTS)	48+	MEAN	PCT	TOTAL
THE OW	CALI	1	4-10	11-21	22-23	34-4			. KL	003
00603	.8	4.8	40.6	41.2	10.6	1.8	. 2	12.8	100.0	1052
90300	1.9	3.7	36.7	42.9	11.6	2.9	.3	13.6	100.0	723
12615	1.5	5.8	38.0	41.8	10.3	2.5	.1	13.1	100.0	970
18821	1.9	4.6	39.7	41.7	10.2	1.9	.0	12.6	100.0	725
TOT	51	167	1349	1450	370	78	5	13.0		3470
PCT	1.5	4.8	38.9	41.8	10.7	2.2	. 1		100.0	

TABLE 5

Р	CT FRE			DIRFC		EIGHTHS)		1					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	3 8	TOTAL	CLOUD	000	150	300	600	1000	2000	3500	5000		8000+		
				DBSCh	OBS	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
N	1.4	.6	1.7	1.4		4.9	.0	.0	. 1	. 2	1.0	.3	. 1	.0	.0	. 1	3.3	
NE	3.3	1.0	2.3	2.3		4.6	.0	.0	. 1	. 7	. 9	1.0	.1	. ?	.0		5.9	
E	5.9	1.9	3.6	2.4		3.9	.0	. 1	. 1	. 7	1.6	1.2	.3	.3	. 1	.3	9.2	
SE	4.3	2.8	6.1	2.6		4.5		.0	.5	.6	2.2	2.1	. 5	. 8	.0	*	9.3	
S	2.5	2.7	6.0	3.7		5.3	. 1	.0	. 2	1.0	3.0	2.4	.9	. 2	. 1	. 1	7.0	
SW	2.0	4.0	8.5	4.1		5.5	.0	.0	. 3	1.8	4.7	3.0	. 9	. 3	.0	. 1	7.4	
W	2.3	2.6	6.8	3.0		5.3	. 1	. 1	*	1.1	3.5	1.9	. 8	.3	.0	.0	6.9	
NW	1.2	.6	3.1	2.1		5.5		.0	.0	. 5	1.6	. 5	.6	. 2	.0	. ?	3.4	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.5	.0	. 3	. 3		4.3	.0	.0	.0	.0	. 2	. 2	. 1	.0	.0	.0	.6	
TOT DBS	302	212	497	282	1293	4.9	3	2	16	85	243	161	56	28	2	10	687	129
TOT PCT	23.4	15.4	38.4	21.8	100.0		. 2	. 2	1.2	6.6	18.8	12.5	4.3	2.2	. 2	. 8	53.1	100.

TABLE 7

CUMULATIVE PCT	FREO	OF SIMULTANEOUS OCCURRENCE
		(NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CEILING	• DR	• DR	. DR	= DR	= OR	- DR	- DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR >6500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
- DR >5000	2.8	3.3	3.7	3.3	3.3	3.3	3.4	3.4
• OR >3500	6.7	7.4	7.3	7.5	7.5	7.5	7.6	7.6
■ DR >2000	17.2	19.6	19.9	19.9	19.9	19.9	20.0	20.0
■ DR >1000	33.3	38.0	38.6	38.7	38.7	38.7	38.7	38.7
■ DR >600	37.0	43.9	44.9	45.1	45.2	45.2	45.2	45.2
• DR >300	38.0	45.1	46.2	46.3	46.4	46.4	46.5	46.5
■ DR >150	38.0	45.2	46.3	46.5	46.5	46.5	46.6	46.6
- OR > 0	38.1	45.4	46.5	46.7	46.8	46.8	46.9	46.9
TOTAL	497	592	607	609	610	610	611	611

TOTAL NUMBER UF OBS: 1304 PCT FREO NH <5/R: 53.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	DBS
9.7	13.2	10.7	9.5	9.8	7.8	9.1	13.1	17.1	.1	1446

A	P	R	I	L	

PERIOD:	(PRIMARY)	1913-1969
	(DVER-ALL)	1857-1969

AREA 0017 CAPE LEEUWIN 33.95 114.5E

				PRFC	IPITAT	ION WI	TH VAR	VS DCC	ALUES	OF VIS		CURRENC	
VSBY		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0		.0	.0	.0	.0		
	TOT %	•0	•0	.0	.0	.0	•	.0	.0	.0	.0		
	PCP	.0	.0	.0		.1		.1	.0	.0	.0	.3	
1/2<1		. 2	.1	:	. 1	. 1	. 1	.1	. 1	.0	.0	.7	
	TOT %	. ?	• 1		. 1	. 2	• 1	. 2	. 1	.0	.0	1.0	
	PCP	.0	.0	.0	.0	.0		.0		.0	.0	.1	
1<2	NO PCP		*	. 1	. 1		.0			.0	.0	.3	
	TOT %		*	. 1	. 1				. 1	.0	.0	.4	
	PCP	.0	.1		. 1	.1	. 2	.1		.0	.0	.6	
2<5	NO PCP	• 1	*	*	. 1	. 2	• 1	. 2	. 1	.0	.0	. 8	
	TOT *	• 1	• 1	.1	. 2	. 3	. 2	.3	. 1	.0	.0	1.4	
	PCP	• 1	.5	.5	.3	.7	1.5	1.9	. 8	.0	.0	6.3	
5<10	NO PCP	1.3	1.9	3.5	4.4	4.9	5.0	4.7	2.5	.0	.3	28.6	
	TOT %	1.4	2.4	4.1	4.7	5.7	6.4	6.6	3.3	.0	.3	34.9	
	PCP	• 1	.2	. 3	. 1	.2	.7	. 5	. 2	.0	.0	2.3	
10+	NO PCP	3.3	5.2	8.9	10.3	9.7	10.7	7.4	4.0	.0	.6	60.0	
	TOT %	3.4	5.4	9.1	10.4	9.9	11.4	8.0	4.1	.0	.6	62.3	
	TOT OBS												2308
	TUT PCT	5.1	8.0	13.4	15.5	16.0	18.3	15.1	7.7	.0	. 8	100.0	

TABLE 9

VSBY	SPD	N	NE	E		S	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS	N	ME	E	SE	3	3 11			VAR	CALM	PCI	DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0		.0	.0	.0	.0	.0			
	11-21	.0	• 0	.0	.0	.0	*	.0	.0	.0			
	22+	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	*	.0	•	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0			.0	.0	.0	.0	.0	.1	
1/2<1	4-10	.0	.0	.0	*	. 1	. 1	. 1		.0		.2	
	11-21	*	.0		*	*	*	. 1		.0		.3	
	22+	. 1	• 1	.0	.0	.0	.0	. 1		.0		.3	
	TOT %	. 1	• 1	*	- 1	. 1	.1	.2		.0	.0	. 9	
	0-3		.0	.0	.0	.0	.0	.0		.0	.0	.1	
1<2	4-10	.0	*			.0	.0		.0	.0		. 1	
	11-21	.0	.0	. 1		*	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	:	.0	•	.0		.1	
	TOT %			.1	. 1	*		•	. 1	.0	.0	.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2 < 5	4-10	*					*		.0	.0		.3	
	11-21	. 1	. 1		. 1	. 2	. 1	. 1	.0	.0		.6	
	22+		. 1	.0		. 1	. 1	. 1	. 1	.0		.5	
	TOT %	.1	• 2	.1	. 2	.3	. 2	. 3	- 1	.0	.0	1.4	
	0-3		.2	.1	.2	.2	.3	. 3		.0	.2	1.6	
5<10	4-10	. 8	.9	1.3	1.7	2.6	2.4	1.9	1.3	.0		12.9	
	11-21	.4	. 8	1.7	2.1	2.0	2.1	2.5	1.3	.0		12.9	
	22+	1.3	. 3	.6	. 3	.3	1.1	6.3	. 4	.0		32.2	
	TOT %	1.3	2.2	3.7	4.4	5.1	6.0	0.3	3.0	.0	.2	32.2	
	0-3	.3	.2	.2	.4	.5	.5	.4	. 2	.0	.9	3.6	
10+	4-10	1.7	2.2	3.1	4.7	4.7	4.6	3.3	1.7	.0		25.9	
	11-21	1.3	2.5	5.1	5.5	4.2	4.6	3.6	2.0	.0		28.6	
	22+	.3	. 5	. 8	.7	.7	2.0	1.5	.4	.0		6.9	
	TOT %	3.5	5.3	9.3	11.4	10.0	11.7	8.8	4.3	.0	.9	65.1	
	TOT DAS												2559
	TOT PCT	5.1	7.8	13.2	16.1	15.6	18.1	15.5	7.5	.0		100.0	6334

APRIL

PERIOD:	(PRIMARY)	1913-1969
	(DVER-ALL)	

TABLE 10

AREA 0017 CAPE LEEUWIN 33.95 114.5E

PERCENT	FREQUENCY	DF CEI	LING OF NH	H= 1GH1	TS BY	(FEET, NH HOUR	>4/81	ANI
---------	-----------	--------	---------------	---------	----------	-------------------	-------	-----

						The state of the state of							
HOUR (GMT)	000	150 299	300 599	600	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.0	.3	1.3	5.4	21.7	14.2	3.8	3.2	.0	.5	50.4	49.6	373
90300	.3	.0	.6	8.6	14.5	11.1	5.0	2.5	.0	.6	43.2	56.8	359
12815	.3	.3	1.8	5.4	16.8	12.0	2.7	1.2	.6	1.5	42.6	57.4	333
18621	.3	.0	1.0	5.1	17.5	10.5	5.1	1.6	.3	.6	41.9	58.1	315
TOT	.2	.1	16	85 6.2	244 17.7	166	57 4.1		.2	.8	617 44.7	763 55.3	1380

				TABLE 1	1						TABLE	12		
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GFS OF NH >4/8	VSBY (NM)),BY HOUR	AND/DR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DB\$	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.1	.9	.4	.9	34.1	63.6	763	60300	.0	2.0	9.3	45.0	46.7	351
90360	.2	1.2	.7	.9	27.0	70.0	564	06809	.3	1.4	11.0	34.0	55.0	347
12615	.0	.7	• 1	2.1	38.4	58.8	730	12615	.3	2.6	8.7	36.9	54.5	312
18621	.0	1.4	.3	2.1	30.2	66.0	577	18821	.3	1.4	8.5	35.7	55.8	294
TOT PCT	2	27 1.0	10	39 1.5	866 32.9	1690 64.2	2634 100.0	PCT	.2	1.8		496 38.0	52.8	1304

٠	٨	9	T.	=	1	2

				TABL	E 14					
	PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTION	N BY TE	EMP		
N	NE	E	SE	S	5 W	w	NH	VAR	CALM	
. 1	. 2	.1	1	. 8	.0	1.3	1.4	.0	• 1	
2.5	3.6	6.3	7.0	5.4	5.8	8.4	5.3	.0	.6	
1.0	2.3	4.3	6.3	7.4	2.5	.6	. 2	.0	. 2	
.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	
5.0	8.1	13.2	15.3	15.3	17.8	15.9	8.5	.0	1.0	

PERCE	NT FRE	EQUENC	OF R	ELATIVE	HUMI	DITY B	Y TEMP	TOTAL	PCT
0-29	30-39	40-49	50-59	60-69	70-79	80~89	90-100	DBS	FRFQ
-0	.0	.0	. 1	. 2	. 2	.1	.1	13	.8
			.6	2.0	2.8	2.9	1.8	180	10.5
			1.6	8.5	15.1	13.5	6.0	773	44.9
							3.2	636	37.0
							. 5	113	6.6
								5	.3
								1	.1
								1721	100.0
		0-29 30-39 .0 .0 .0 .0 .0 .1 .0 .1 .0 .0 .0 .0 .0 .0	0-29 30-39 40-49 .0 .0 .0 .0 .0 .0 .3 .0 .1 .1 .0 .1 .2 .0 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-29 30-39 40-49 50-59 0	0-29 30-39 40-49 50-59 60-69 0 0 0 1 2 0 0 0 3 6 2.0 0 1 1 2 2.6 9.9 0 0 0 1 3 13 0 0 0 0 0 0 0 0 1 2 1 95 379	0-29 30-39 40-49 50-59 60-69 70-79 .0 .0 .0 .1 .2 .2 .0 .0 .3 .6 2.6 2.8 .0 .1 .1 1.6 8.5 15.1 .0 .1 .2 2.6 9.9 11.9 .0 .0 .1 .3 1.3 1.7 .0 .0 .0 .0 .1 .1 .0 .0 .0 .0 .1 .3	0-29 30-39 40-49 50-59 60-69 70-79 80-89 .0 .0 .0 .1 .2 .2 .1 .0 .0 .3 .6 2.0 2.8 2.9 .0 .1 .1 1.6 8.5 15.1 13.5 .0 .1 .2 2.6 9.9 11.9 9.2 .0 .0 .1 .3 1.3 1.7 2.4 .0 .0 .0 .0 .1 .3 1.3 1.7 2.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 .0 .0 .0 .1 .2 .2 .1 .1 .1 .0 .0 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS .0 .0 .0 .1 .2 .2 .1 .1 13 .0 .0 .0 .3 .6 2.0 2.8 2.9 1.8 180 .0 .1 .1 1.6 8.5 15.1 13.5 6.0 773 .0 .1 .2 2.6 9.9 11.9 9.2 3.2 636 .0 .0 .1 .3 1.3 1.7 2.4 .5 113 .0 .0 .0 .0 .1 .3 1.3 1.7 2.4 .5 113 .0 .0 .0 .0 .0 .1 .1 .1 .1 .5 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .7 .0 .2 11 95 379 346 687 201 1721

TAPLE 15

	MEANS,	XTREM	S AND	PERCEN	TILES	OF TEN	IP (DE	G F) B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	54	1%	WIN	MEAN	TOTAL
00803	80	75	73 73	65	59	56	49	65.3	718
12815	79	76	72	65	59	57	51	65.3	985
15381	76 80	73 75	70 72	65	59	57 57	49	65.3	746 3489

TABLE 16 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	8.1	17.3	32.4	28.8	13.4	76 73	479
12615	.0	3.6	20.6	31.0	32.8	12.0	77 78	467
18621	.0	3.9	385	28.9 552	50	211	76	1761

PERIOD: (PRIMARY) 1913-1969 (DVER-ALL) 1857-1969

TABLE 17

AREA 0017 CAPE LEEUWIN 33.95 114.5E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

		VS A	18-SE	A TEM	PERAT	URE D	FFERE	NCE (D	EG F)		
AIR-SFA	49	53	57	61	65	69	73	77	TOT	W	WO
TMP DIF	52	56	60	64	68	72	76	80		FOG	FOG
14/16	.0	.0	.0	.0	.0	.1	.0	.0	1	.0	
11/13	.0	.0	.0	.0	.0	.1	.0		3	.0	. 1
9/10	.0	.0		.0					4	.0	.1
7/6	.0	.0			. 2	.0	. 2	. 1	13	.0	. 6
6	.0	.0	.0			.1	. 2	.1	13		. 6
5	.0	.0	.0	:	. 2	. 3	. 4		20	. 0	.6
4	.0	.0	.0		. 2	. 4	. 3		23	.0	1.1
3	.0	.0	.0	.1	.5	1.1	.2 .4 .3 .7		50	. 1	2.4
2	.0	.0	.0	.2	1.4	1.1	.5	.0	66	:1	3.2
1	.0	.0	. 1	. 6	2.6	2.8	. 2		129	. 2	6.2
0	.0	.0	. 1	1.0	3.2	3.7	.0	.0	162	. 2	7.7
-1	.0	.0	.1	1.7	5.7	3.9	.0	.0	232		11.4
-2	.0	.0	. 4	2.5	6.2	1.4	.0	.0	212	. 2	10.2
-3	.0	.0	1.0	3.7	7.2	1.0	.0	.0	263	.2	12.8
-4	.0	.0	. 9	5.7	4.8	. 2	.0	.0	235	. 1	11.5
-5	.0		1.4	4.6	2.8		.0	.0	181	.0	8.9
-6	.0	.0	.7	4.9	1.2	.0	.0	.0	139	.0	6.9
-7/-8	.0	.0	2.9	5.6	1.0	.0	.0	.0	193	.0	9.5
-9/-10	.0	. 1	2.9	. 8	.0	.0	.0	.0	59	.0	9.5
-11/-13	.0	. 1	. 8	. 2	.0	.0	.0	.0	23	.0	1.1
-14/-16	.0			- 4	.0	.0	.0	.0	3	.0	.1
-17/-19		.0	.0	.0	.0	.0	.0	.0	1	.0	
TOTAL	1		215		755		56			28	1997
		7		649		329		13	2025		
PCT		. 3	10.6	32.0	37.3	16.2	2.8	. 6	100.0	1.4	98.6

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

								T	ABLE 18	3						
				Po	T FREQ OF	WIND	SPEED	(KTS)	AND D	REC	TION V	ERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-		4-10	11 21	NE NE			
<1	.2	.1	.0	.0	.0	•0	.4		1-	*	.4	11-21	22-33	34-47	48+	PCT
1-2	.0	1.1	.3	.0	.0	.0	1.3				2.1		.0	.0	.0	.6
3-4	.0	.8	1.1	.0	.0	.0	1.8			0	.9	1.7	.0	.0	.0	2.9
5-6	.0	.1	.8	.1	.0	.0	1.0			0	.1	2.3	.2	.0	.0	2.8
7	.0	.0	.1	.4	.0	.0	.5			.0	.0	.8	.3	.0	.0	2.6
8-9	.0	.0	.0	.0	.1	.0	.1			0	.0	.1			.0	1.2
10-11	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.4	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	•0	.0			0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
TOT PCT	. 2	2.1	2.2	.5	. 1	.0	5.2			1	3.5	5,9	1.4	.0	.0	10.8
				E									SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-	3	4-10	11-21	22-33	34-47	48+	PCT
<1	. 1	. 3	.1	.0	.0	.0	.5			2	. 4	.0	.0	.0	.0	.6
1-2	. 1	1.6	1.1	.0	.0	.0	2.7			1	2.2	.4	.0	.0	.0	2.7
3-4	.0	1.0	3.0	. 2	.0	.0	4.3			0	1.8	2.2	.3	.0	.0	4.3
5-6	.0	. 9	3.3	.5	.0	.0	4.7			0	.2	2.1	.7	.0	.0	3.0
7	.0	.0	1.6	.3	.0	.0	1.9			0	.0	1.6	. 2	.0	.0	1.8
8-9	.0	.0	.5	.4	.0	.0	.9			0	.0	.4	. 2	.0	.0	.5
10-11	.0	.0	.0	. 1	. 1	.0	. 3			0	.0		.1	.0	.0	. 2
12	.0	.0	.0	. 1	.0	.0	. 1			0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	. 1	. 1	.0	.0	. 2			0	.0	.0		.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	• 0			0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
49-60 61-70	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	9.7	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
ini rei	. 2	3.7	4.7	1.9	• 1	.0	15.6			3	4.6	6.7	1.7	.0	.0	13.4

									APRIL							
PERIOD:	(OVE	R-ALL)	1963-1	969									AREA		CAPE LE	
								TARLE	18 (00	INTI				33.	.95 114	.5E
				0.0							VEDEUE					
				PC	FRED	DE MIND	SPEED	(KTS)	AND DI	KECITON	VEK303	SEA HEI	H12 (F)	,		
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-	3 441	0 11-2		34-47	48+	PCT	
<1	. 4	. 7	.0	.0	.0	.0	1.1			2 .	4 .	0 .0	. 0	.0	.6	
1-2	.1	3.5	.7	.0	.0	.0	4.4			0 2.	5 .	8 .0	.0	.0	3.2	
3-4	.0	1.3	3.1	.3	.0	.0	4.7			0 1.	7 3.	3 .1	.0	.0	5.1	
5-6	.0	. 2	1.9	.4	. 1	.0	2.6				4 2.		.0	.0	3.2	
7	.0	.0	. 7	.5	.0	.0	1.2				0 1.	2 .3		.0	1.5	
8-9	.0	.0	.3	. 2	.0	.0	.5			0 .	0 .	1 .6	.1	.0	.9	
10-11	.0	.3	. 1	.0	.0	.0	. 4					1 .8	. 1	.0	1.1	
12	.0	. 1	. 1	.0	. 1	.0	. 4					1 .1	.1	.0	.4	
13-16	.0	.0	.0	.0	.0	.0	.0					0 .2	.1	.0	.3	
17-19	.0	.0	.0	.0	. 1	.0	1					0 .1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0					0 .0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0					0 .0	.1	.0	.1	
26-32	.0	.0	.0	.0	.0	.0	.0					0 .0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0					0 .0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0				0 .	0 .0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0					0 .0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			0 .		0 .0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0				0 .	0 .0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0					0 .0	.0	.0	.0	
TOT PCT	.5	6.2	7.0	1.4	.4	• 0	15.5			2 5.	0 8,	4 2.2	.7	.0	16.5	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-	3 4-1	0 11-2	1 22-33	34-47	48+	PCT	PCT
<1	. 4	. 4	.0	.0	.0	.0	. 8			0 .		0 .0	.0	.0	.4	
1-2	. 3	2.5	. 5	.0	.0	• 0	3.2			0 .		2 .0	.0	.0	. 9	
3-4	.0	1.3	2.3	.1	.0	.0	3.7			0 .	7 1.	4 .0	.0	.0	2.1	
5-6	.0	.0	2.5	. 9	.0	.0	3.4				0 1.		. 5	.0	1.4	
7	. 2	.0	.7	. 8	.2	• C	1.8					2 .6	. 2	.0	1.0	
8-9	. 1	.0	.0	. 3	• 1	.0	.5					0 .0		.0	. 1	
10-11	.0	.0	. 1	. 1	. 2	.0	. 5					0 .1		.0	.2	
12	. 1	.0	.0	.0	.0	.0	. 1					0 .0	.0	.0		
13-16	.0	.0	.0	.4	• 1	.0	. 5					0 .1	.0	.0	.1	
17-19	.0	.0	.0	.3	• 1	.0	.5					0 .0	.1	.0	. 1	
20-22	.0	.0	.0	.0	• 1	• 0	.1					0 .0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0					0 .0	.0	.0	.0	
24-32	.0	.0	.0	.0	.0	.0	.0					0 .0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0					0 .0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	• 0	.0					0 .0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	• 0	.0					0 .0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0					0 .0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0					0.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			0 .		0 .0	.0	.0	.0	20.2
TOT PCT	1.1	4.2	6.1	2.9	1.0	• 0	15.2			1 1.	8 2.	9 1.1	. 4	.0	6.3	98.5

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.5	3.1	.3	.0	.0	.0	6.9	003
1-2	. 8	15.9	4.6	.0	.0	.0	21.4	
3-4	.0	9.5	17.8	1.2	.0	.0	28.6	
5-6	.0	1.9	16.6	3.1	.1	.0	21.8	
7	.3	.0	6.8		.4	.0	10.9	
8-9	.1	.0	1.5	2.0	.4	.0	4.1	
10-11	.0	.3	1.3		.5	.0	2.6	
			.4	1.7	.3	.0		
12	• 1	. 1	.3	4			1.2	
13-16	.0	.0	.1	1.0	, 3	.0	1.4	
17-19	.0	.0	.0	.4	.4	.0	. 8	
20-22	.0	.0	.0	.0	.1	.0	. 1	
23-25	.0	.0	.0	.0	. 1	.0	. 1	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
- 1 +	-0	.0					••	734
TOT PCT	4.9	30.9	48.5	12.9	2.7	.0	100.0	, 34

PERIOD	: (ov	ER-ALL) 194	9-196	9				TABLE	19											
					PERCENT	FRE	DUENCY	OF WA	VE HEI	GHT (F1	r) vs	WAVE P	FRIOD	(SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6 6-7 9-9	.7	5.2	6.8	7.5	5.6	2:7	1.5	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	219	4
9-9	.0	.0	1.5	1.5	5.6	2.8	2.6	1.9		.4	.2		.1	.0	.0	.0	.0	.0	.0	242	10
>13	.0	.0	.2	.3	1.2	1.5	1.4	.8	. 8	.1	.2	.3	.1	.0	.0	.0	.0	.0	.0	75 39	10
TOTAL	1.7	.6	1.3	211	1.6	1.6	108	69	. 8	10	.2		.1	.0	.0		.0	.0	.0	119	6
PCT	2.5	6.6	13.2	19.2	18.7	14.5	9.8	6.3		.9	1.0	.5	. 8	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1 AREA 0017 CAPE LEEUWIN 33.9% 114.6E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			ρ	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	PAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG NO PCPN	FOG WO PCPN PAST HP	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N	5.0	6.7	.5	.0	.0	.0	.0	12.2	1.5	1.0	1.5	.0	.5	.0	83.9
NE	2.6	2.3	.5	.0	.0	.0	.0	5.3	1.1	1.1	2.9				
E	2.0	2.0	.6	.0	.0	.0	.0	4.6	1.4	1.2	1.8	.0	.0	.0	91.0
SE	2.0	4.5	2.2	.0	.0	.0	.0	8.7	. 8	1.1	1.4	.0	.0		87.9
	2.9	8.6	1.0	.0	.0	.0	.0	12.5	2.5	.0	2.8	.0	.0	.4	81.9
SW	3.9	11.9	.8	.0	.0	.0	. 2	16.8	4.9	.9	. 1	.0	.0	. 0	77.7
₩.	5.9	10.9	1.7	.0	.0	.0	.0	24.3	6.6	.7	. 2	.0	.0	.0	68.4
N#	7.5	11.8	2.2	.0	.0	.0	.0	21.6	5.6	.4	.4	.0	.0		72.1
			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
VAR	.0	.0							6.3		.0	.0	.0		93.8
CALM	.0	.0	.0	.0	• 0	.0	.0	.0	0.3	.0	.0	.0	•0	• 0	75.0
TOT PCT TOT OBS:	2245	9.6	1.2	•0	•0	.0	•	15.1	3.7	. 8	1.1	.0	• 1	•	79.4

TABLE 2

PERCENT	FREDUENCY	DF	WEATHER	OCCURRENCE	BY	HUUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THDR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	
00803	4.2	10.3	.5	.0	.0	.0	.0	14.9	3.2	.6	1.1	.0	. 2	.0	80.5
90200	4.4	8.7	1.0	.0	.0	.0	. 2	14.0	3.7	.4	1.2	.0	• 2	.0	80.8
12615	3.9	9.3	2.0	.0	.0	.0	.0	15.2	3.9	.7	1.0	.0	. 2	. 2	78.9
18621	4.0	9.2	1.5	.0	.0	.0	.0	14.8	3.9	1.3	1.2	.0	.0	.0	79.0
TOT PCT	4.2	9.4	1.2	.0	•0	.0	•	14.8	3.6	.7	1.1	.0	• 1	•	79.8

TAPLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	n SPE	ED (KN	DTS)									(GMT)			
MND DIS	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.5	3.6	4.5	1.9	. 2	.1		10.7	14.4	13.3	15.3	9.1	11.7	8.9	8.5		10.1
NE	.6	4.5	4.3	. 8		.0		10.3	11.8	10.8	11.4	9.4	9.9	7.8	9.9		12.9
E	. 6	4.3	3.2	.3	.1	.0		8.4	10.5	8.0	8.4	6.5	8.6	8.3	10.8	8.4	10.9
SE	. 2	4.2	3.7	. 4	. 2	.0		8.6	12.0	7.2	7.9	7.2	12.6	8.5	9.0	11.4	7.5
5		4.8	4.6					11.5	13.1	11.8	10.2	12.4	10.7	12.7	10.1	11.4	10.5
SW	.3	6.5	6.9					18.8	16.3	18.7	17.0	22.6	15.9	21.2	16.6	19.5	13.2
W	. 5	4.1	6.9			. 3		18.3	19.2	17.4	16.8	20.1	16.2	18.9	21.0	17.4	19.3
NW	.4	3.0	5.1			.1		12.2	17.4	11.8	11.8	12.4	13.6	11.9	12.4	11.0	14.8
VAR	.0	.0	.0			.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5
CALM		• •	• • •	• •		. 0		1.1	.0	. 9	1.2	. 2	. 8	1.7	1.8	1.0	. 7
TOT DBS	1.1	1129	1264	543	128	14	3228		14.9	674	337	436	257	632	223	398	271
TOT PCT	4.6	35.0				.4	22.70	100.0	•			100.0	100.0	100.0		100.0	100.0

-	_	-	•	

					(1)							
		WIND	SPEED	(KNOTS)						HOUR		
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						085	FREQ	5P0	03	09	15	21
N	2.0	4.6	3.2	.8	.1		10.7	14.4	14.0	10.1	8.8	8.7
NE	2.2	6.0	1.8	.8	*		10.3	11.8	11.0	9.6	8.3	12.4
F	2.3	5.0	1.0	. 2	.0		8.4	10.5	8.1	7.3	9.0	9.4
SE	1.6	5.3	1.4	. 3	.0		8.6	12.0	7.5	9.2	8.6	9.8
	2.2	5.9	2.8	.5			11.5	13.1	11.3	11.8	12.0	11.0
SW	2.5	7.8	5.8	2.5	.1		18.8	16.3	18.2	20.1	20.0	17.0
W	1.5	6.6	6.0	3.6	.6		18.3	19.2	17.2	18.7	19.5	18.2
NW	1.4	4.6	4.1	1.9	. 2		12.2	17.4	11.8	12.8	12.0	12.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.1	517.					1.1	• 0	1.0	. 4	1.8	.9
TOT DBS	539	1482	840	325	42	3228		14.9	1011	693	855	669
TOT PET	16.7	45.9	26.0	10.1	1.3		100.0		100.0	100.0	100.0	100.0

						MAY					
PERIOD: (PRIMARY) 1913-19 (OVER-ALL) 1857-19						TABLE 4					33.95 114
		PER	ENTAGE	FREQUE	NCY OF	WIND SPE	EED BY	HOUR	(GMT)		
HUUR	CALM	1-3	4-10		SPEED 22-33		48+	MEAN	PCT FREQ	TOTAL	
00£03 0603	1.0	2.9	33.8	40.0	17.3 18.8	4.4	:7	15.3	100.0	1011	
12&15 18&21 7DT	1.8	3.4 116	35.2 36.5 1129	38.1 41.3 1264	16.6 14.3 543	4.0 3.1 128	14		100.0	655 669 3226	
PCT	1.1	3.6	35.0	39.2	16.8	4.0	. 4		100.0		

			1 4	BLE 5								1.2	ADLE O					
Р	CT FRE			LOUD A		EIGHTHS)			PERCEN				CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CP	TOTAL	MEAN CLOUD COVER	00		300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL DBS
N	3.0	1.5	2.5	2.3		4.4		0 .0	.2	.3	. 8	1.0	.6	• 1	.0	. 3	6.1	
NE	5.0	1.2	2.8	1.4		3.4		0.0	*	. 3	1.0	. 7	. 4	. 1	.0		7.8	
E	3.7	1.2	2.1	1.0		3.4		0 .0	. 1	. 3	.9	. 5	.1	.0	. 1	. 1	5.9	
SE	1.7	1.6	2.4	1.9		4.9		0 .0	. 1	1.0	. 9	.9	.7	. ?	.0	.0	4.0	
S	1.5	1.8	5.8	3.0		5.6		0 .1	. 2	1.2	3.8	1.8	.6	.0	.0	. 2	4.5	
SW	1.5	5.1	11.3	3.7		5.5		• 0	. 2	2.7	5.1	2.7	1.1	. 4	.0	. 1	9.2	
×	1.5	3.9	9.3	4.0		5.6			.6	2.2	5.0	2.2	. 7	. 2	. 1	.0	7.7	
NW	2.2	1.5	4.7	2.9		5.2				. 9	2.0	1.9	1.1	.0			5.5	
VAR	.0	.0	.0	.0		.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 3	. 1	. 3	. ?		4.2		0 .0	.0	.0	. 1	. 1	. 1	• 1	.0	.0	. 5	
TOT OBS	265	230	532	265	1292	5.0		0 2	17	114	253	151	69	13	2	8	663	1292
TOT PCT	20.5	17.8	41.2	20.5	100.0			0 .2	1.3	8.8	19.6	11.7	5.3	1.0	.2	.6	51.3	100.0

					TABLE	7			
				PCT FREQ G HEIGHT	OF SIMU	LTANEQUS	OCCURRE SBY (NM)	NCE	
					VSBY (NM)			
CI	EILING	- OR	· DR	■ DR	# OR	= DR	- DR	- OR	= DR
()	FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
OR	>5000	1.6	1.9	2.0	2.0	2.0	2.0	2.0	2.0
DR	>3500	6.2	7.1	7.2	7.2	7.2	7.2	7.2	7.2
DR	>2000	16.2	18.3	19.0	19.0	19.0	19.0	19.0	19.0
DR	>1000	32.4	36.8	38.1	38.3	38.3	38.3	38.4	38.4
DR	>600	39.0	45.2	46.9	47.2	47.3	47.3	47.4	47.4
DR	>300	39.5	46.2	48.2	48.5	48.6	48.6	48.7	48.7
	>150	39.5	40.4	48.4	48.7	48.7	48.7	48.8	48.8
OR	> 0	39.5	46.4	48.4	48.7	48.7	48.7	48.8	48.8
	TOTAL	520	611	637	641	642	642	643	643
TO	TAL NUME	BER UF DE	S: 131	7	P	CT FRED	NH <5/81	51.2	

					т.	ABL	E 7A					
		p	ERCENT	AGE	FREQ	OF	LOW	CL	nuns (EIGHT	HS)	
0	1	2	3		4	5		6	7	8	OBSCD	TOTAL
9.3	9.1	8.9	11.7	11	. 2	8.5	11	. 6	12.7	17.0	.0	1479

PERCENT			DCCURRENCE	NON-OCCURRENCE	0

				PREC	IPITAL	104 MI	IH VAN	TING .	ALUES	DF V13	19111	1.4	
VSBY (NM)		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0		.0	.0	.0		
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	:	.0	.0		
	TOT \$.0	.0	.0	.0	.0	• 0		•	.0	.0	. 1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	:	.0	.0		
	TOT %	• 0	.0	.0	.0	.0	.0	.0	•	.0	.0		
	PCP	•0			.0	.0	.1	. 1	.1	.0	.0	.3	
1<2	NO PCP			.0	.0		.0			.0	.0	.2	
	TOT \$.0		- 1	. 1	. 1	.0	.0		
	PCP	• 1	•1	.0		. 1	• 1	.6	. 1	.0	.0	1.2	
2 < 5	NO PCP			.0	. 1	.1	. 2	.2	.1	.0	.0	. 8	
	TOT %	• 1	- 1	.0	. 1	. ?	.4	. 8	. 2	.0	.0	1.9	
	PCP	. 9	. 3	.3	.5	. 9	2.5	2.9	2.0	.0	.0	10.3	
5<10	NO PCP	2.8	2.5	2.3	2.2	2.2	4.2	4.4	3.1	.0	. 1	23.8	
	TOT %	3.7	2.9	2.6	2.6	3.1	6.8	7.3	5.0	.0	.1	34.1	
	PCP	. 3	- 1		. 2	.4	. 8	1.0	.5	.0	.0	3.3	
10+	NO PCP	6.5	6.7	4.7	5.0	7.5	12.7	9.9	6.5	.0	.6	60.1	
	TOT %	6.8	6.8	4.7	5.2	7.9	13.4	10.9	7.0	.0	.6	63.4	
	TOT DAS												2243
	TOT PCT	10.7	9.9	7.3	7.9	11.2	20.6	19.1	12.4	.0	.7	100.0	
							4						

TABLE 9

PERCENT	FREQ	OF	WIND	DIREC	TION	VS	WIND	SPEED
W	TH V	ARY	ING V	ALUFS	OF VI	SIF	TILITY	*

					WITH V	ARYING	VALUE	S UF V	Tatetr	ITY				
VSBY	SPD	N	NE	E	SE	S	SW	*	NW	VAR	CALM	PCT	TOTAL	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	.0	.0	.0	.0		.0				
	22+	.0	.0	.0	.0	.0	.0		.0	.0				
	TOT X	.0	.0	.0	.0	.0	.0	•	•	.0	.0	.1		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	.0	.0	.0	.0		.0		:		
	22+	.0	.0	.0	.0	.0	.0	.0		.0				
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21				.0	.0	. 1	. 1	. 1	.0		. 2		
	22+	.0	.0	.0	.0	*	*	. 1		.0		. 2		
	TOT %	*			.0		. 1	.1	.1	.0	.0	.4		
	0-3	.0	.0	.0	.0			.0	.0	.0	.0			
2<5	4-10	.0	• 1	.0	. 1	. 1	.2	. 1	.0	.0		. 3		
	11-21	*	.0	.0		.1	. 2	.2	. 1	.0		.7		
	22+	. 1	*	.0	.0		.1	.7	. 1	.0		.7		
	TOT %	. 1	• 1	.0	. 1	. 2	.3	.7	. 2	.0	.0	1.8		
	0-3	.1	.2	.3	. 1	.2		.2	.1	.0	.1	1.3		
5<10		.9	. 8	1.1	1.0	.6	1.5	1.0	.7	.0		7.6		
	11-21	1.5	1.4	1.0	1.1	1.3	2.3	2.5	2.0	.0		13.2		
	22+	.9	. 3		. 2	. 8	2.6	3.3	1.8	.0		10.0		
	TOT %	3.4	2.6	2.4	2.5	2.9	6.4	7.0	4.7	.0	.1	32.1		
	0-3	.3	.3	. 2	.1	.3	. 2	.2	.2	.0	.7			
10+	4-10	2.7	3.4	2.7	2.7	4.0	5.5	3.1	2.4	.0		26.6		
	11-71	3.0	3.0	1.8	2.1	3.0	5.2	4.8	3.2	.0		26.1		
	22+	1.0	.5	. 1	. 1	. 7	2.8	3.3	2.0	.0		10.4		
	TOT %	7.0	7.2	4.8	5.0	8.0	13.6	11.4	7.8	.0	.7	65,5		
	TOT ORS												2435	
	TOT PCT	10.6	10.1	7.2	7.6	11.2	20.5	19.2	12.9	.0	. 8	100.0		

MAY

PERIND:	(PRIMARY)	
		P

AREA 0017 CAPE LEEUWIN 33.95 114.6E

	TABLE 10	AKEA
PERCENT	FREQUENCY OF CEILING HEIGHTS (FEET, NE	4 >4/8) AND

HOUR (GMT)	000 149	150 299	300 599	999	1000 1999		3500 4999	5000 6499		8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00803	.0	.3	2.2	8.2	19.1	12.8	6.0	1.9	. 5	1.4	52.3	47.7	367	
06609	.0	.0	1.1	9.4	19.3	11.3	6.1	.0	.0	.8	47.9	52.1	363	
12615	.0	.3	.9	6.9	17.8	8.4	3.4	1.2	.0	. 3	39.3	60.7	321	
18821	.0	.0	.6	9.5	17.6	11.9	4.5	.6	.0	.6	45.2	54.8	336	
TOT	0	2	17	118	256	155	70 5.0	13	.1	11	644	743 53.6	1387	

TABLE 11

TABLE 12

		PERCENT	FREQUENC	Y VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.0	.0	1.0	1.4	35.3	62.3	725	60300	.0	2.6	12.9	41.8	45.3	349
90360	.0	. 2	.4	2.0	27.4	70.1	558	06809	.0	1.4	13.6	36.4	50.0	352
12615	.0	•1	.3	1.8	36.6	61.1	669	12615	.0	1.3	9.7	32.8	57.5	299
18821	.4	.0	•0	1.8	27.8	70.1	551	18821	.0	.9	12.9	35.3	51.7	317
TOT	2	.1	11	43	807	1638	2503	TOT	0	21	163	484	670 50.9	1317

ARIE 17

					MOVE L.	•				
	PERCE	ENT FR	EQUENCY	Y OF 8	ELATIVE	HUMI	DITY B	Y TEMP		
									TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	085	FREQ
75/79	.0	.0	. 1	.0	.0	.0	.0	.0	1	.1
70/74	.0	.0	. 1	. 2	. 6	1.3	. 8	. 2	54	3.1
65/69	.0	. 1	. 3	1.4	5.0	8.9	8.0	4.3	485	28.0
60/64	.0	. 1	. 4	3.6	15.3	17.0	10.6	4.3	888	51.3
55/59	.0	.0	. 3	1.2	3.4	5.7	4.4	1.5	283	16.3
50/54	.0	.0	.0	. 2	.3	.5	. 1	. 1	20	1.2
TOTAL	0	3	20	113	425	519	412	179	1731	100.0
PCT	.0	. 2	1.2	6.5	24.6	33.4	23.8	10.3		

TABLE 14

	PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	S	SW	₩	NW	VAR	CALM
.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.1	. 7	. 2	. 1	. 1	.0	. 2	. 8	.0	.0
4.2	4.2	2.8	1.8	1.8	2.1	4.6	6.1	.0	. 3
4.2	4.5	3.9	4.8	5.7	12.2	11.0	4.5	.0	. 5
. 8	. 9	. 5	. 5	3.8	6.0	2.7	1.0	.0	.1
.1	.0	.0	• 1	.5	. 5	• 1	.0	.0	.0
10.4	10.4	7.5	7.2	11.9	20.8	18.6	12.4	.0	. 9

TARLE 15

	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TEN	AP (DE	G F) E	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00803	77	71	59	63	56	54	51	62.8	993
06809	76	73	70	64	57	54	53	63.8	681
12615	73	71	59	63	57	55	52	63.0	869
18821	73	71	58	62	57	53	52	62.1	682
TOT	77	72	40	6.3	57	54		62 0	3225

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GM1)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	7.4	19.7	33.8	26.8	12.3	76	497
90300	.0	9.2	32.3	31.3	21.1	6.1	73	412
12615	.0	8.8	23.1	31.2	25.7	11.2	75	455
18821	.0	7.1	24.5	36.3	20.7	11.2	74	410
TOT	0	144	437	588	422	183	75	1774

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

								•		
AIR-SEA	49	53	57	61	65	69	73	TOT	w	WD
TMP DIF	52	56	60		68	72	76		FOG	FOG
7/8	.0	.0	.0	.0	.0	. 1	.1	2	.0	.1
6	.0	.0	.0	.0	. 1	. 1	.0	2	.0	.1
5	.0	.0	.0	.1	.0	2 5 3	.1	7	.0	.4
	.0	.0	.0	.2	. 5	. 5	. 1	23	.0	1.2
3	.0	.0	. 1	. 3	.7	. 3	.1	25	.0	1.3
2	.0	.0	.1	. 9	1.2	. 4	.0	49	. 1	2.4
2 1 0 -1	.0	.0	.1	. 8	1.7	1.1	.0	72	. 2	3.5
0	.0	.0	. 3	1.8	3.1	1.2	.1	126	. 1	6.4
-1	.1	.0	.6	2.7	3.0	. 8	.0	139	. 1	7.1
-2	.0	. 1	. 9	3.3	4.2	:4	.0	172	. 2	8.6
-3	.0	. 1	1.5	4.7	4.3	. 3	.0	213	. 2	10.8
-4	.0	.0	2.1	4.8	3.0	. 1	.0	194	. 1	9.9
-5	.0	.1	3.3	5.8	2.6	:1	.0	231	. 1	11.8
-6	.0	. 4	2.6	5.0	. 9	. 1	.0	173	.0	8.9
-7/-8	.0	1.0	6.5	6.3	.6	.0	.0	280	. 2	14.2
-9/-10	. 1	. 7	3.6	2.6	. 1	.0	.0	137	. 2	6.9
-11/-13	. 1	1.2	2.5	.7	. 1	.0	.0	88	.0	4.5
-14/-16	.0	.5	. 2	.1	.0	.0	.0	13	.0	. 7
-17/-19	.0	. 1	.0	.0	.0	.0	.0	2	.0	1925
TOTAL	3		471		505		6		23	1925
		81		776		106		1948		
PCT	. 2	4.2	24.2	39.8	25.9	5.4	. 3	100.0	1.2	98.8

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

				PC	T FRED	OF WIND	SPEED	(KTS)	AND DIRE	TION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	. 1	.0	.0	.0	.0	. 1		. 2	. 4	. 1	.0	.0	.0	.7
1-2	.0	2.0	. 8	.0	.0	.0	2.8		• 1	2.5	.4	.0	.0	.0	3.0
3-4	.0	. 8	1.7	.0	.0	.0	2.5		.0	1.3	1.6	.0	.0	.0	2.9
7-6	.0	.2	.7	.3	.0	.0	1.3		.0	.2	1.6	.2	.0	.0	1.9
R-9	.0	.0	. 2	.2	.0	.0	.5		.0	.0	. 2	.3	.0	.0	. 4
	.0	.0	. 1	.5	.0	.0	.6		.0	.0		. 1	.0	.0	. 2
10-11	.0	.0	.0	.3	.0	.0	.3		.0	.0	.0		.0	.0	
12	.0	.0	.0	.0	.1	.0	. 1		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.1	.1	.0	.2		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	• 0	.6		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.1	3.5	1.4	.0	.0	8.3		.0	4.4	.0	.0	.0	.0	.0
			.,,		• • •	•0	8.3			7.7	3.9	.6	.0	.0	9,2
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	SE			
<1	.1	.3	.0	.0	•0					.7		22-33	34-47	48+	PCT
1-2	. 1	1.8	.6	.0	.0	.0	.4		• 0	1.9	.0	.0	.0	.0	. 7
3-4	.0	1.2	.4	.0	.0	.0	2.4		.0	*:4	. 8	.0	.0	.0	2.7
3-6	.0	.5	1.2	.0	•0	.0	1.7		.0	.1	1.2	.0	.0	.0	1.6
7	.0	.0	.4	.0	.0	.0	1.4		•0	.0	.3	.0	.0	.0	.6
8-9	.0	.0	.1	.0	.0	.0	.1		.0	.0	.0	.0	.0	.0	. 3
10-11	.0	.0	.0	.0	.0	•0	.0		•0	.0	.1	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.1
13-16	. 6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	. G		.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0			• 0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	. 2	3.6	2.7	.0	•0	.0	6.5		•	3.0	3.0	••	.0	.0	6.1

									MA	Y							
PERIOD:	(DVE	R-ALL)	1963-1	972										AREA	0017 0		
								TAPLE	18 (CONT)					33.9	5 114	.6E
				0.							T.O.	veneue					
				PC	T FREO	OF WIND	SPEED	(KTS)	AND	DIKEC	ITUN	AFK202	SEA HEIG	H12 (F1	,		
				5									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1	. 1	. 3	.0	.0	.0	• 0	. 4			. 2	.4		.0	.0	.0	. 5	
1-2	. 3	3.5	. 4	.0	.0	.0	4.2			.0	4.2		.0	.0	.0	4.8	
3-4	.0	1.7	1.2	. 2	• 0	• 0	3.0			.0	2.5		.1	.0	.0	5.6	
5-6	.0	. 4	2.1	.2	.0	.0	2.7			.0	. 9		.7	. 3	.0	6.4	
7	.0	. 3	.4	.1	.0	.0	. 8			.0	.0		1.1	. 3	.0	2.6	
8-9	.0	.0	. 8	.4	• 2	.0	1.4			.0	.0		.6	. 2	.0	1.2	
10-11	.0	.0	.0	.1	.0	.0	. 1			.0	.0		.7	. 2	.0	1.0	
12	.0	. 1	.0	.0	.0	• 0	. 1			.0				.0	.0	. 1	
13-16	.0	.0	.3	.4	.0	.0	.6			.0	.0		.4	.3	.0	.6	
17-19	.0	.0	.0	.0	• 0	.0	.0			.0	.0		.1	.0	.0	. 1	
20-22	.0	.0	.0	. 1	• 1	.0	. 2			.0	.0				.0	. 1	
23-25	.0	.0	.0	.0	.0	.0	.0			• 0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	• 0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	• 0	.0			.0			.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	• 0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	• 0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	.0	.0			• 0	.0		.0	.0	.0	.0	
71-86 87+	.0	.0	.0	.0	• 0	• 0	. 0			.0	.0		.0	.0	.0	.0	
TOT PCT	.0	.0	.0	1.5	.0	• 0	.0			.0	8.1		.0	.0	.0	.0	
TUI PCI	. 4	6.2	5.2	1.5	.3	•0	13.5			• 2	0.1	9.8	3.8	1.2	.0	23.0	
				u									NW				TOTAL
HGT	1-3	4-10	11-21	27-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.3	. 2	.0	.0	.0	.0	.5			.0	. 3	.0	.0	.0	.0	. 3	
1-2	.0	2.0	1.4	.0	.0	• 0	3.4			.0	1.3		.0	. 0	.0	2.1	
3-4	.0	1.7	2.6	.4	.0	.0	4.6			.0	1.7	1.6	.0	. 0	.0	3.2	
5-6	.0	. 5	2.8	1.2	.0	.0	4.5			.0			1.0	.0	.0	1.6	
7	.0	.0	1.6	2.6	.2	.0	4.4			.0	.0	.4	. 8	.0	.0	1.2	
8-9	.0	.0	.5	.5	• 1	.0	1.1			.0	.0		.2	.0	.0	.5	
10-11	.0	.0	.0	1.1	• 1	.0	1.2			.0	.0		.3	.1	.0	. 5	
12	.0	.0	.0	.9	. 1	.0	1.0			.0	.0		. 3		.0	. 4	
13-16	.0	.0	.0	.4	. 4	• 1	. 9			.0	.0		. 2	. 1		.3	
17-19	.0	.0	.0	.0	. 2	• 1	. 4			.0	.0		. 1		.0	. 3	
20-22	.0	.0	. 1	. 1	.0	.0	. 2			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	• 0	• 0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	• 0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	• 0	.0			.0	.0		.0	.0	.0	.0	-
TOT PCT	.3	4.4	9.0	7.2	1.1	• 2	22.1			.0	3.3	3.7	3.0	. 3	•	10.2	99.0

	WIND	SPEFD	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
								OBS
<1	2.7	3.1	. 1	.0	.0	.0	5.9	
1-2	.6	19.1	5.5	.0	.0	.0	25.2	
3-4	.0	11.1	12.9	.6	.0	.0	24.6	
5-6	.0	2.7	13.9	3.6	.3	.0	20.4	
7	.0	. 3	4.6	5.0	.5	.0	10.3	
8-9	.0	.0	2.2	2.3	.5	.0	5.0	
10-11	.0	.0	. 3	2.5	.4	.0	3.2	
12	.0	. 1	.0	1.3	. 3	.0	1.7	
13-15	.0	.0	.3	1.4	. 8	.1	2.5	
17-19	.0	.0	.1	. 3	.3	. 1	. 8	
20-22	.0	.0	. 1	. 3	. 1	.0	.5	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0		.0	.0	.0	.0	.0	
		.0		.0	.0	.0	.0	
61-70	.0	.0	.0					
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								785
TOT PCT	3.3	36.3	39.9	17.2	3.1	. 3	100.0	

PERIOD): (pv	ER-ALL	194	9-1972					TABLE	19											
					PERCEN	TFRE	DUENCY	OF WAY	E HEI	GHT (F	T) VS	NAVE P	ERIDO	SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	. 9	4.8	5.4	3.0	1.3	.6	.5	. 2	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	192	4
6-7	.0	.7	4.3	5.9	3.8	3.0	2.6	. 7	1.1	.0	. 1	. 1	.0	.0	.0	.0	.0	.0	.0	254	7
8-9	.0	. 4	1.1	3.1	3.5	4.5	3.9	2.6	1.3	1.0	. 7	. 1	.4	.0	.0	.0	.0	.0	.0	257	9
10-11	.0	.0	. 4	1.1	3.1	3.9	3.1	1.9	2.1	.5	. 3	.2	.0	.0	.0	.0	.0	.0	.0	189	10
12-13	.0	.0	. 4	. 8	.5	. 8	1.6	1.0	1.7	.4	. 4	. 1	. 3	.0	.0	.0	.0	.0	.0	102	11
>13	.0	.0	.0	. 1	.0	. 3	.5	.5	.6	.4	. 6	. 1	. 3	.0	.0	.0	.0	.0	.0	39	15
INDET	. 3	. 9	1.3	2.3	1.4	. 9	.5	. 9	. 4	. 4	.1	. 2	.0	.0	.0	.0	.0	.0	.0	109	7
PET	13	78	149	184	155	159	145	100	7.4	32	2.2	. 7	10	.0	.0	.0	.0	.0	.0	1142	8

PERIOD: (PRIMARY) 1912-1969 (DVER-ALL) 1869-1969 AREA 0017 CAPE LEEUWIN 33.95 114.65

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N	9.6	6.0	1.5	.0	.0	.0	. 3	17.4	2.4	2.2	. 2	.0	.7	.0	78.2
NE	4.4	3.8	.0	.0	.0	.0	.0	8.3	1.7	.0	.5	.0	.0	.0	89.5
E	3.3	5.5	1.5	.0	.0	.0	.0	9.6	3.3	3.5	.0	.0	.0	.0	83.5
ŠE	5.4	8.5	1.0	.0	.0	.0	1.0	15.9	. 7	2.2	.0	.0	.0	.0	81.2
S	3.8	10.7	3.3	.0	.0	.0	.0	17.1	4.3	.0	.0	.0	.0	.0	78.7
SW	3.9	14.9	2.1	.0	.0	.0	. 2	20.7	4.5	. 8	.0	.0	.0	.0	74.4
W	4.9	15.5	1.0	.0	.0	.0	. 8	22.1	6.2	1.9	.3	.0	. 1	.0	70.3
NW	11.0	13.4	1.3	.0	.0	.0	.3	25.7	7.4	2.5	. 3	.0	. 4	.0	64.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.3	.0	.0	.0	• 0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	93.8
TOT PCT	5.3	11.0	1.4	.0	•0	.0	. 3	18.9	4.5	1.6	.2	.0	. 2	•0	75.1

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			Р	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00803 06809 12615 18621	7.0 5.6 6.5 5.5	10.8 11.2 11.9 9.6	1.4 1.2 1.9 1.3	.0	.0		.3	19.5 18.5 20.1 16.4	4.6 5.4 2.9 5.5	.2 2.6 3.6	.2	.0	.2	.0	75.3 76.1 74.4 75.3
TOT PCT		10.9	1.5	.0	•0	.0	.3	18.7	4.5	1.6	. 2	.0	. 2	•	75.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

			WI	ND SPE	ED (KN	DTS)									(GMT)			
	WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PET	SPD	00	03	06	0.9	12	15	18	21
	N NE	.2	4.6		3.2	.6	.0		14.2	16.6	16.3	14.9	14.8	14.0	11.5	15.4	15.2	11.3
	E SE	.3	2.6		. 4	.0	.0		5.8	12.3	6.0	3.0	5.0	6.5	5.5	7.8	5.5	5.0
3.	S	.2	3.1	3.6	1.1	1.3	. 2		8.4	14.2	8.6 15.7	8.1	7.0	11.7	9.1	7.8	17.1	18.5
1.15	W	.5	4.3	7.0	6.9	2.5	.4		21.5	20.7	22.6 15.8	19.8	23.9	20.3	20.7	19.9	20.2	22.8
	VAR CALM	1.0	.0		• 0	.0	.0		1.0	.0	.0	1.0	.0	.0	1.7	.0	.0	2.5
	TOT DBS	3.2	831 28.6				21	2902	100.0	17.2	571 100.0	304 100.0	401 100.0	231	100.0	211	365 100.0	238

+	٨	B	1	F	٦	Δ

WND DIR	0-6		SPFED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT FREQ	MEAN SPD	00	06 09	12 15	18 21
N NE	1.8	5.6	4.6	2.0	.2		14.2	16.6	15.8	14.5	12.6	13.7
~ =	1.8	2.9	2.3	.2	.0		5.8	12.3	5.9	4.7	7.0	5.3
S E	1.2	2.6	.6	.4			4.8	12.6	3.7	5.6	5.5	4.8
5	1.5	4.0	2.2	. 6	. 1		8.4	14.2	8.4	8.7	8.8	7.4
SW	1.5	7.1	5.7	2.5	.6		17.3	18.0	16.7	16.4	18.5	17.6
W	2.3	5.9	7.0	5.2	1.0		21.5	20.7	21.7	22.6	20.5	21.2
NW	1.6	5.6	5.7	4.0	. 5		17.4	19.9	15.3	17.2	17.3	19.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.0						1.0	.0	.7	.6	1.4	1.2
TOT ORS	403	1119	855	456	69	2902		17.2	875	632	791	604
TOT PCT	13.9	38.6	29.5	15.7	2.4		100.0		100.0	100.0	100.0	100.0

PERIND:	(PRIMARY)	1912-1969	
	(DVER-ALL)	1869-1969	

TAPLE 4

AREA 0017 CAPE LEEUWIN 33.95 114.6E

				Committee of the Commit	-			
PERCENTAGE	ERECHENCY	O.F.	WIND	SPEED	BY	HUUR	[GMT]	

HOUR	CALM	1-3	4-10	WIND 11-21		34-47	48+	MEAN	PCT FREQ	TOTAL
00403	.7	2.3	29.4	38.5	21.3	7.1	.8		100.0	875 632
12615	1.4	2.7	30.0	37.7	20.1	7.0	1.0	16.8	100.0	791
18621	1.2	3.1	26.3	37.7	24.5	203	21	17.3	100.0	2902
PCT	1.0	2.3	28.6	38.0	22.4	7.0	.7		100.0	

TABLE 4

P	CT FRE			LOUD A		EIGHTHS)							CEILIN NH K5/					
WND DIR	0-2	3-4	5-7	8 6 08500	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH C5/8 ANY HGT	TOTAL DBS
N	2.9	1.8	5.3	4.9		5,5	. n	.0	.4	1.1	2.8	1.4	. 3	. 1	.0	. 3	8.4	
NE	2.6	2.0	3.4	1.8		4.6	.1	.0		6	1.4	. 8	. 3	• 2	.0	. 2	6.1	
E	1.3	1.0	2.0	1.8		5.2	.0	.0	. 2	. 7	1.1	.6	. 2	• 1	.0	.0	3.2	
SE	. 5	1.0	2.7	. 7		5.3	.0	.0	.0	. 4	1.3	. 8	. 2	.0	.0	.0	2.2	
S	.7	2.0	3.2	1.7		5.2	.0	.0	.1	. 4	1.6	1.2	. 4	. 2	.0	.0	3.2	
SW	1.9	4.9	6.6	2.5		4.9	.0	. 1	. 1	1.8	3.2	2.0	. 4	.0	.0	. 1	8.1	
w	2.3	5.2	10.6	4.6		5.4	-1	.0	. 4	3.2	6.6	2.0	.6	. 4	. 1	. 1	9.4	
NW	2.0	3.3	8.1	4.4		5.5	.1	. 1	. 2	2.6	4.3	1.4	.6	. 4	. 1	. 1	7.9	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	,				5.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.3	
TOT OBS	179	265	526	272	1242			2	17	134	279	132	38	18	2	9	300	1242
TOT DCT	16 6	21 3	42 4	21 0	100.0		2	. 2	1.4	10.8	22.5	10.6	3.1	1.4	. 2	. 7	49.0	100.0

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM)			
CEILING	• DR	• DR	= DR	= OR	= OR	= OR	· OR	R DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	.7	.9	.9	.9	.9	.9	.9	.9
- DR >5000	1.6	2.2	2.3	2.3	2.3	2.3	2.3	2.3
■ DR >3500	3.9	5.3	5.4	5.4	5.4	5.4	5.4	5.4
■ DR >2000	12.7	15.3	16.0	16.0	16.0	16.0	16.0	16.0
■ DR >1000	29.4	36.9	38.1	38.1	38.1	38.1	38.2	38.2
■ DR >600	35.1	46.4	48.6	48.7	48.8	48.8	48.9	48.9
■ DR >300	35.6	47.4	49.8	50.1	50.2	50.2	50.2	50.2
■ DR >150	35.6	47.6	50.0	50.2	50.3	50.3	50.4	50.4
• OR > 0	35.7	47.6	50.2	50.4	50.5	50.6	50.6	50.6
TOTAL	454	606	638	641	642	643	644	644

TOTAL NUMBER OF OBS: 1272 PCT FREQ NH <5/81 49.4

.1.

ABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 4.3 9.1 9.8 13.4 11.7 10.5 12.8 11.2 17.0 .1 1379

DEPICA:	(PRIMARY)	1912-1969
	I TIVE U - ALL Y	1869-1969

AREA OG17 CAPE LEEUWIN 33.95 114.66

					PITATI							PCT	TOTAL
VSBY		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCI	DBS
(AM)	PCP	. 0	.0	.0	.0	.0	.0	*		.0	.0	. 1	
(1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11/2	TOT %	.0	.0	.0	.0	.0	.0		*	.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0		. 1	.0	.0	.1	
1/2<1	NO PCP	*	.0	.0	.0	.0	.0	*	*	.0	.0	. 1	
1, 2 1	TOT %		• 0	.0	.0	.0	.0	. 1	. 1	.0	.0	. 2	
	PCP	.2	.0	.0	.0	.0	.0		. 2	.0	.0	.4	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	*	. 1	.0	.0	. 1	
	TOT %	.2	• 0	.0	.0	.0	.0	• 1	. 2	.0	.0	.5	
	PCP	. 3		.1	• 1	.1	.3	.4	. 4	.0	.0	1.7	
2<5	NO PCP	• 1	. 1	.0	.0	. 1	. 1	. 2	. 5	.0	.0	1.0	
	TOT %	.4	• 1	. 1	. 1	. 2	.3	.6	. 8	.0	.0	2.7	
	PCP	1.3	. 5	.4	. 3	. 8	2.6	3.3	3.3	.0	*	12.5	
5<10	NO PCP	2.7	2.0	1.8	1.3	1.7	4.3	5.8	4.3	.0	*	24.0	
,,,,	TOT %	4.0	2.5	2.2	1.6	2.5	6.9	9.1	7.6	.0	. 1	36.5	
	PCP	.7	. 3	.1	.3	. 4	.4	1.1	.7	.0	.0	4.0	
10+	NO PCP	9.0	6.9	4.1	2.9	4.3	8.2	11.2	8.6	.0	. 7	55.9	
	TOT %	9.7	7.2	4.2	3.2	4.7	8.7	12.3	9.3	.0	.7	59.9	
	TOT OBS												2074
	TOT PCT	14.3	9.8	6.5	4.9	7.3	15.9	22.3	18.1	.0	. 8	100.0	

TABLE 9

	PERCENT FRED OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY													
VSBY (NM)	SPU	N	NE	E	SE	S	5 W	W	NW	VAR	CALM	PCT	TOTAL	
CHEL	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
6112	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0		*	.0		.1		
	TOT %	.0	.0	.0	.0	.0	.0	*		.0	.0	. 1		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
1/4	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	*	.0	.0	.0	.0	.0	. 1	. 2	.0		. 3		
	TOT %	*	.0	.0	.0	.0	.0	.1	. 2	.0	.0	. 3		
	0-3	.0	• 0	.0	.0	.0	.0	.0		.0	.0			
1<2	4-10	.0	.0	.0	.0	.0	.0	*		.0		*		
	11-21	.0	.0	.0	*		.0		.1	.0		. 2		
	22+	. 2	.0	.0	.0	.0	.0	*	.1	.0		.4		
	TOT %	. 2	.0	.0	*	*	.0	.1	. 3	.0	.0	.6		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	4-10	*	. 1			. 1	. 1		. 1	.0		. 5		
	11-21	*	.0	*	*	*	*	.3	.3	.0		.8		
	22+	.3					. 4	. 3	. 5	.0		1.6		
	TOT %	.4	• 1	. 1	. 1	. 2	.5	. 5	. 9	.0	.0	2.9		
	0-3	.1	.0	.1		*	.1	. 2	.1	.0	.1	. 8		
5<10	4-10	1.1	1.3	.6	.6	. 6	1.2	1.1	1.3	.0		7.8		
	11-21	1.3	. 7	1.1	. 4	1.0	2.7	3.1	2.5	.0		12.9		
	22+	1.3	. 3	. 2	. 5	. 7	2.7	4.4	3.4	.0		13.5		
	TOT %	3.8	2.4	2.0	1.5	2.4	6.7	8.8	7.4	.0	.1	35.0		
	0-3	.1	.3	.2	. 1	.2	.2	.3	. 1	.0	.7	2.1		
10+	4-10	3.4	2.8	2.1	1.6	1.9	2.3	2.5	1.9	.0		18.6		
	11-21	4.4	3.5	1.7	1.2	2.2	4.2	4.1	3.4	.0		24.7		
	22+	1.8	.6	. 1	. 2	. 7	2.6	5.7	3.9	.0	_	15.7		
	TOT %	9.7	7.2	4.2	3.1	5.0	9.4	12.5	9.3	.0	.7	61.1		
	TOT DAS					Table 1							2221	
	TOT PCT	14.1	9.6	6.3	4.8	7.6	16.6	22.2	18.0	.0	. 8	100.0		

JUNE

1969

TABLE 10

AREA 0017 CAPE LEEUWIN 33.95 114.66

PERCENT	FREQUENCY	OF CEI	LING	HEIGHTS	(FEET, NH	>4/8)	DINE
	DCCIIB	DENCE	OF NH	(5/H B	Y HOUR		

HOUR (GMT)	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00803	.3	.3	1.5	12.3	21.1	12.6	4.1	1.5	.0	1.2	54.7	45.3	342	
06809	.0	.0	2 • 1	11.2	21.2	10.6	2.9	2.4	.0	.3	50.6	49.4	340	
12815	.3	.3	• 9	9.5	23.7	6.9	2.8	1.6	.6	.6	47.3	52.7	317	
18821	.3	.0	.6	8.3	20.5	10.6	2.2	.0	.0	.6	43.3	56.7	312	
TOT PCT	.2	.2	17	136	283	134	3.1	18	.2	.7	644	667 50.9	1311	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	6Y HOUR		CUM	ULAT					VSBY (NM)),BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	H0 (G	UR MT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.0	.5	2.9	36.7	60.0	630	00	£03	.3	2.1	16.1	40.0	43.9	335
90360	. 2	.0	.4	3.1	31.5	64.8	508	06	903	.0	2.4	16.1	37.0	47.0	330
12615	.2	.5	1.3	3.2	38.3	56.7	630	12	€15	. 3	1.6	13.4	35.9	50.7	306
18821	.0	.8	• 2	2.2	31.8	65.0	503	18	£21	.3	1.3	11.0	34.2	54.8	301
TOT	2	7	14	65	792 34.9	1391	2271		DT CT	.2	24		469 36.9	622 48.9	1272

TABLE 13

		PERC	ENT FRI	EQUENCY	OF R	ELATIVE	HUMI	DITY BY	TEMP	TOTAL	PCT
TEMP	F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ
70/7	4	. 1	.1	.1	. 3	.4	. 3	. 2	.2	28	1.7
65/6		.0	.1	. 4	. 9	2.5	4.7	3.4	1.7	221	13.6
60/6		.0	.0	. 2	3.7	13.3	14.4	10.5	4.9	767	47.1
55/5		.0	.0	.1	1.8	6.9	12.5	8.5	3.6	546	33.5
50/5		.0	.0	.0	. 1	.6	.7	1.5	1.0	63	3.9
45/4		.0	.0	.0	.0	.0	.0	. 1	. 1	3	. 2
TOTA		1	2	12	113	385	531	390	188	1628	100.0
PCT		. 1	.1	.7	6.9	23.6	32.6	24.3	11.5		

TABLE 14

	PERCE	NT FR	EQUENCY	OF W	IND DI	RECTIO	N BY T	- ЧР	
N	NE	E	SE	S	SW	W	NW	VAR	CALM
.7	.5	.0	.1	.1		.1	.3	.0	.0
4.3	1.8	. 3	.2	. 4	.3	2.0	4.0	.0	. 2
7.0	4.8	2.5	2.0	2.2	6.2	12.5	9.3	.0	. 4
			2.2	3.7	8.0	7.8	3.9	.0	. 3
	. 4			1.0	1.1	. 4	. 2	.0	.0
.0	.0	.1	• 0	.0	• 1	.0	.0	.0	.0
14.9	10.4	5.6	4.6	7.4	15.7	22.8	17.7	.0	.9
	.7 4.3 7.0 2.4 .5	N NE .7 .5 4.3 1.8 7.0 4.8 2.4 2.9 .5 .4 .0 .0	N NE E .7 .5 .0 4.3 1.8 .3 7.0 4.8 2.5 2.4 2.9 2.4 .5 .4 .3 .0 .0 .1	N NE E SE .7 .5 .0 .1 4.3 1.8 .3 .2 7.0 4.8 2.5 2.0 2.4 2.9 2.4 2.2 .5 .4 .3 * .0 .0 .1 .0	N NE E SE S .7 .5 .0 .1 .1 4.3 1.8 .3 .2 .4 7.0 4.8 2.5 2.0 2.2 2.4 2.9 2.4 2.2 3.7 .5 .4 .3 * 1.0 .0 .0 .1 .0 .0	N NE E SE S SW .7 .5 .0 .1 .1 * 4.3 1.8 .3 .2 .4 .3 7.0 4.8 2.5 2.0 2.2 6.2 2.4 2.9 2.4 2.3 3.7 8.0 .5 .4 .3 * 1.0 1.1 .0 .0 .1 .0 .0 .1	N NE E SE S SW W .7 .5 .0 .1 .1 * .1 4.3 1.8 .3 .2 .4 .3 2.0 7.0 4.8 2.5 2.0 2.2 6.2 12.5 2.4 2.9 2.4 2.2 3.7 8.0 7.8 .5 .4 .3 * 1.0 1.1 .4 .0 .0 .1 .0 .0 .1 .0	N NE E SE S SW W NW .7 .5 .0 .1 .1 * .1 .3 .4.3 1.8 .3 .2 .4 .3 2.0 4.0 7.0 4.8 2.5 2.0 2.2 6.2 12.5 9.3 2.4 2.9 2.4 2.9 2.4 2.9 2.4 2.2 3.7 8.0 7.8 3.9 .5 .4 .3 * 1.0 1.1 .4 .2 .0 .0 .0 .1 .0 .0 .1 .0 .0	7. 5 .0 .1 .1 * .1 .3 .0 .0 .0 .1 .1 .4 .2 .0 .0 .0 .1 .1 .4 .2 .0 .0 .0 .1 .1 .4 .2 .0 .0 .0 .1 .0 .0 .1 .0 .0 .1 .0 .0 .1 .0 .0 .1 .0 .0 .0 .0 .1 .0 .0 .0 .0 .0 .1 .0 .0 .0 .0

TARLE 15

	MEANS	EXTREMES	AND	PERCEN	TILES	OF TEMP	(DE	G F) B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	WIN	MEAN	TOTAL
00603	70	69	67	60	54	51	48	60.5	864
06609	72	70	68	62	55	52	50	61.6	627
12615	73	69	67	61	55	52	49	60.8	803
18621	71	69	66	60	54	52	49	60.1	612
TOT	73	70	67	61	55	52	48	60.7	2906

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTA
00803	.0	5.3	20.8	32.9	28.7	12.4	77	453
90300	. 3	12.4	27.1	32.2	16.5	11.6	73	388
12615	.0	8.1	25.8	30.3	24.7	11.2	75	446
18821	.0	5.8	21.5	35.6	26.7	10.5	76	382
TOT	1	130	396	545	406	191	75	1559

PERIOD: (PRIMARY) 1912-1969 (DVER-ALL) 1869-1969

TABLE 17

AREA 0017 CAPE LEEUWIN 33.95 114.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	49 52	53 56	57 60	61	65 68	69 72	73 76	TOT	FOG	FDG
11/13	.0	.0	.0	.0	.0	.1	.0	2	.0	.1
9/10	.0	.0	.0	.0	.1	.0	.0	1	.0	.1
7/8	.0	.0	.0	. 1	.0	.0	.1	3	.0	. 2
6	.0	.0	.0	. 1	. 2	. 1	.0	6	.0	.3
5	.0	.0	.1	. 1	.3	. 1	.0	11	.0	.6
5	.0	. 1	.0	. 2	. 3	. 1	.0	12	.0	.7
3	.0	.0	. 3	. 2	.6	. 3	.0	25	.0	1.4
2	.0	.0	.0	. 9	. 8	. 3	.0	36	. 1	2.0
2 1 0 -1	.0	.0	.6	1.4	1.1	. 4	.0	62	.0	3.4
ó	.0	. 2	. 8	2.0	1.8	. 4	.0	95	.0	5.3
-1	.0	. 1	1.4	2.8	1.7	.4	.0	116	.0	6.4
-2	. 1	. 2	1.5	3.9	2.0	. 1	.0	142	. 1	7.8
-3	.0	.2	2.0	4.9	1.9	. 1	.0	165	.0	9.1
-4	.0	.3	4.1	4.9	. 8	.0	.0	181	.0	10.0
-5	.1	.6	3.8	5.9	. 8	.0	.0	200	. 1	11.0
-6	.0	. 9	4.6	3.0	. 4	.0	.0	162	.0	9.0
-7/-8	.0	2.1	7.4	4.8	. 3	.0	.0	300	.0	16.6
-9/-10	. 2	3.0	5.0	. 9	.1	.0	.0	167	.0	9.2
-11/-13	. 4	2.5	2.2	.3	.0	.0	.0	100	.0	5.5
-14/-16	. 2	.5	. 2	. 1	.0	.0	.0	18	.0	1.0
-17/-19	.1	.1	.0	.0	.0	.0	.0	2	.0	.1
TOTAL	19	• •	649		238		1	_	4	1802
IGIAL	. ,	195	0-,	660	-	44	•	1806		
PCT	1.1	10.8	35.9	36.5	13.2	2.4	. 1	100.0	. 2	99.8

PERIOD: (OVER-ALL) 1963-1969

				Po	T FREO	OF WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	.0	.0	• 0	.0	.6		.3	. 1	.0	.0	.0	.0	.4
1-2	.0	2.1	. 9	.0	.0	.0	2.9		.0	2.0	. 4	.0	.0	.0	2.4
3-4	.0	1.6	2.9	. 5	.0	• 0	4.9		.0	1.4	1.2	.1	.0	.0	2.6
5-6	.0	.5	2.6	1.2	.0	.0	4.3		.0		1.0	. 3	.0	.0	1.3
7	.0	.0	.6	1.0	.0	.0	1.6		.0	.0	. 3		.0	.0	. 4
8-9	.0	.0	.0	.5	.0	.0	. 5		.0	.0	.0	.1	.0	.0	. 1
10-11	.0	.0	.0	.1	.1	.0	. 2		.0	.0	.0	.1	.0	.0	. 1
12	.0	.0	.0	.1	.0	.0	. 1		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.6	.0	. 0	.6		.0	.0	.0	.0	.1	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	-0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	:01	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	4.6	7.0	3.9	.1	.0	15.8		.3	3.5	2.9	.7	.1	.0	7.5
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.0	.0	.0	.0	.3			.0	.0	.0	.0	.0	
1-2	.0	2.0	. 8	.0	.0	.0	2.8		.0	1.1		.0	. 5	.0	1.1
3-4	.0	.8	.8	.0	.0	.0	1.6		.0	.1	2.0	.0	.0	.0	2.0
5-6	.0	. 4	. 2	.1	.0	.0	. 8		.0		. 4	. 3	.0	.0	. 8
7	.0	.0	. 2	. 1	.0	.0	.4		.0	. 1	.3	.0	.0	.0	. 5
8-9	.0	.0	.0	.1	.0	.0	. 1		.0	.0	. 1	.0	.0	.0	. 1
10-11	.0	.0	.0	. 1	.0	.0	.1		.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	. 1	.0	• 0	.1		.0	.0	.0	.0	. 0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	. 1		.0	.0	.0	.0	. 4	.0	.4
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.5	2.0	. 8	.0	.0	6.3			1.4	2.9	.4	.4	.0	5.1

PAGE 115

PERIOD:	(DV	ER-ALL)	194	9-1960	•				TABLE	19											
					PERCEN	TFRE	OUFNCY	OF WA	E HFI	HT (F	r) vs	WAVE P	FRIDD	SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	. 5	3.4	4.3	1.9	1.4	1.0	1.1	. 3	. 4	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	151	5
5-7	.0	. 2	2.2	5.3	4.3	2.3	2.8	2.0	1.7	. 3	.2	. 1	.1	.0	.0	.0	.0	.0	.0	224	8
8-9	.0	.0	1.1	3.2	2.8	3.5	4.2	2.0	3.6	1.0	.6	. 5	. 4	.0	.0	.0	.0	.0	.0	239	10
10-11	.0	. 2	. 7	1.3	2.7	2.0	2.7	2.5	2.2	1.5	. 8	. 9	. 3	.0	.0	.0	.0	.0	.0	185	11
12-13	.0	.0	. 1	.0	.7	1.6	1.1	1.1	2.3	. 3	. 3	. 2	.5	. 1	.0	.0	.0	. 0	.0	8 6	13
>13	.0	.0	.0	. 3	. 3	. 4	.5	.5	1.1	. 4		. 5	. 9	. 2	.0	.0	.0	.0	.0	54	17
INDET	.4	.6	1.1	2.3	1.4	1.5	1.5	. 4	. 7	. 2	.0	.0	.1	.0	.0	.0	.0	.0	.0	105	7
TOTAL	9	46	98	149	142	129	144	92	126	40	21	22	23	3	0	0	0	0	0	1044	9
PCT	.9	4.4	9.4	14.3	13.6	12.4	13.8	8.8	12.1	3.8	2.0	2.1	2.2	.3	.0	.0	.0	.0	.0	100.0	

		MIND	PAFFE	(KIS)	VS SEA	HEIGHI	10.17		
	HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
	<1	1.4	2.1	.0	.0	.0	.0	3.4	003
	1-2	.7	11.8	3.3	.0	.0	.0	15.8	
	3-4	.0	8.3	13.2	2.5	.0	.0	24.0	
	5-6	.0	1.4	12.4	5.4	.7	.0	19.8	
	7	.0	. 1	5.5	7.2	. 8	.0	13.6	
	8-9	.0	.0	1.1	4.5	1.1	.0	6.7	
	10-11	.0	.0	. 3	3.7	1.5	.0	5.5	
	12	.0	.0	.1	2.1	1.5	. 3	4.0	
	13-16	.0	.0	.0	2.2	1.4	. 3	3.9	
	17-19	.0	.0	.1	.7	1.4	.0	2.2	
	20-22	.0	.0	.0	.0	. 1	. 3	.4	
	23-25	.0	.0	.0	.0	.3	.1	.4	
	26-32	.0	.0	.0	.0	.0	.1	. 1	
	33-40	.0	.0	.0	.0	.0	.0	.0	
	41-48	.0	.0	.0	.0	.0	.0	.0	
	49-60	.0	.0	.0	.0	.0	.0	.0	
	61-70	.0	.0	.0	.0	.0	.0	.0	
	71-86	.0	.0	.0	.0	.0	.0	.0	
	87+	.0	.0	.0	.0	.0	.0	.0	
	- 1 -	.0	. 0	. 0					726
-	TOT PCI	2 1	22 7	36 1	28.2	8.8	1.1	100.0	

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.4	2.1	.0	.0	.0	.0	3.4	
1-2	.7	11.8	3.3	.0	.0	.0	15.8	
3-4	.0	8.3	13.2	2.5	.0	.0	24.0	
5-6	.0	1.4	12.4	5.4	.7	.0	19.8	
7	.0	. 1	5.5	7.2	. 8	.0	13.6	
8-9	.0	.0	1.1	4.5	1.1	.0	6.7	
10-11	.0	.0	. 3	3.7	1.5	.0	5.5	
12	.0	.0	.1	2.1	1.5	. 3	4.0	
13-16	.0	.0	.0	2.2	1.4	. 3	3.9	
17-19	- 0	0	1	. 7	1.4	.0	2.2	

									J	UNE							
PERIOD:	(DVE	R-ALL)	1963-1	1969										AREA		CAPE LE	
								TABLE	18	(CONT)					33.	95 114	.65
											T . ON	VERCUE					
				PC	1 FREQ	OF WIND	SPEED	(KTS)	AND	DIKEC	ILUN	AEK202	SEA HEIG	H12 (F)	,		
				5									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.1	.1	.0	.0	.0	.0	.2			.0	.5	.0	.0	.0	.0	.5	
1-2	.0	. 9	. 2	.0	.0	.0	1.1			. 1	1.6	. 1		.0	.0	1.8	
3-4	.0	. 9	1.7	.0	.0	.0	2.6			.0	. 8	1.9	.4	.0	.0	3.1	
5-6	.0	.0	1.5	. 2	.0	.0	1.7			.0	. 1	2.1	.5		.0	2.7	
7	.0	.0	. 1	.1	.0	.0	.3			.0	.0		1.4	. 4	.0	3.4	
8-9	.0	.0	.0	.1	.0	.0	.1			.0	.0		.6	. 4	.0	1.6	
10-11	.0	.0	.1	.1	.0	.0	.2			.0	.0			. 2	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0				*	.3	
13-16	.0	.0	.0	.1	.0	.0	. 1			.0	.0			. 3	.0	.6	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.1	. 4	.0	.7	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	. 0			. 1	. 1	.3	
23-25	.0	.0	.0	.0	• 0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	. 1	. 1	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	•0	.0			.0	.0			.0	.0	.0	
TOT PCT	• 1	1.9	3.6	.7	• 0	.0	6.4			• 1	3.0	6.4	3.6	2.0	.3	15.5	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	PCT
<1	.1	. 2	.0	.0	.0	.0	. 3			.0	. 2	.0	.0	.0	.0	.2	
1-2	. 1	. 9	. 5	.0	.0	.0	1.5			*	1.4	. 5	.0	.0	.0	1.9	
3-4	.0	1.5	1.3	. 1	.0	• 0	3.0			.0	1.6		1.4	.0	.0	4.3	
5-6	.0	.1	2.3	1.5	. 6	.0	4.6			.0	. 2	2.3	1.4		.0	3.9	
7	.0	.0	1.9	2.7	. 4	.0	5.0			.0	. 0			.0	.0	2.3	
8-9	.0	.0	.3	1.7	. 2	.0	2.2			.0	.0			. 5	.0	2.0	
10-11	.0	.0	.0	1.7	. 5	.0	2.2			.0	.0			. 7	.0	2.2	
12	.0	.0	.0	1.2	1.1	. 2	2.6			.0	.0			. 4	.0	. 9	
13-16	.0	.0	.0	.9	• 2	. 2	1.4			.0	.0			. 3	*	.5	
17-19	.0	.0	.0	. 3	. 5	.0	. 8			.0	.0			.5	.0	.7	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	. 1	. 1	
23-25	.0	.0	.0	.0	. 3	• 1	. 4			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	.0	.0			• 0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	•0	• 0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	• 0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	3.0			.0	.0	.0	00 (
TOT PCT	. 2	2.7	6.3	10.1	3.8	.6	23.8			•	3.0	5.2	8.3	2.4	. 2	19.1	99.4

JUNE

PERIOD: (PRIMARY) 1911-1970 (DVER-ALL) 1857-1970

TABLE 1

AREA 0017 CAPE LEEUWIN 33.95 114.6E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			p	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WNO DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNUW	DTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N	9.8	4.1	1.4	.0	.0	.0	.5	15.7	2.8	2.2	.0	.0	.0	.0	81.4
NE	4.9	2.6	1.6	.0	.0	.0	.0	9.1	. 8	. 8	1.6		.0	.0	87.7
E	2.5	3.2	.0	.0	.0	.0	.0	5.7	. 9	.0	2.5	.0	.0	.0	90.8
S E	.0	3.7	.0	.0	.0	.0	.0	3.7	4.3	.0	1.3	.0	.0	.0	90.6
S	2.3	10.6	2.0	.0	.0	.0	.0	14.9	1.6	. 3	.0	.0	.6	.0	83.0
Sw	4.6	13.5	1.0	.0	.0	.0	. 3	19.3	5.2	1.7	1.4	.0	.0	.0	73.8
W	5.0	15.2	1.4	.0	.0	.0	. 3	21.8	7.1	1.3	.9	.0	. 2	.0	59.4
NW	9.2	8.7	1.3	.0	.0	.0	1.0	20.2	7.9	2.9	1.1	.0	.3	.0	69.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	•0	16.7	.0	• 0	.0	.0	16.7	• 0	.0	.0	.0	.0	.0	83.3
TOT PCT	5.6 1926	10.4	1.3	.0	•0	.0	.4	17.6	5.2	1.5	1.0	.0	.2	.0	75.5

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
ниUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOK	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	4.6 6.2 5.8 5.7	11.5 9.9 11.4 8.7	1.9 1.1 .8 1.2	.0	.0	.0	.7 .2 .2 .2 .2	18.8 17.3 18.1 15.6	5.1 7.7 2.9 5.2	2.7 2.6	1.1 .4 2.1 .7	.0	.4	.0	74.5 74.5 75.7 77.4
TOT PCT	5.5	10.5	1.3	.0	• 0	.0	.4	17.6	5.2	1.5	1.1	.0	.2	.0	75.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	IN SPE	ED (KN	TS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT	SPD	00	03	06	09	12	15	18	21
N	. 3	3.3	4.0	2.1	.6	.0		10.2	15.7	12,5	13.5	10.1	9.8	8.2	11.6	6.9	8.9
NE	. 3	3.0	3.0	. 7	. 1	.0		7.0	13.1	6.3	8.7	5.0	7.2	6.3	8.0	7.5	9.3
E	. 3	2.4	1.8	. 2		.0		4.8	10.6	4.6	4.3	6.2	3.5	4.9	5.0	4.5	4.8
SE	. 3	2.5	1.1	.3	. 1	.1		4.3	11.5	4.5	3.0	4.2	4.2	4.2	7.5	3.5	4.3
S	.3	2.7	3.3	1.6	. 4	. 2		8.5	16.1	8.2	9,1	8.1	10.2	8.9	8.3	7.5	8.5
SW	. 3	4.6	7.2	4.9	1.8	. 2		19.0	18.7	18.1	19,7	18.6	21.1	19.9	18.9	17.7	18.1
W	. 4	4.9	9.4	9.3	3.1	.6		27.7	21.4	28.0	25.2	28.8	25.6	30.2	22.9	29.7	25.4
NW	.4	3.7	6.1	5.8	1.6	. 2		17.7	19.6	17.7	16.1	18.8	16.6	16.4		. 21.5	18.8
VAR	.0	.0	.0	.0	.0	. 0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0
CALM TOT DBS	.8	749	994	687	213	34	2770	. 8	17.9	555	290	382	1.7	531	212	310	248
TOT PCT	3.4		35.9			1.2		100.0			100.0	100.0			100.0	100.0	100.0

		WIND	SPEED	(KNDTS)						HOUR	(GMT)	
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						OBS	FREQ	SPD	03	09	15	21
N	1.5	4.5	3.0	1.1	. 1		10.2	15.7	12.9	10.0	9.2	7.8
NE	1.0	3.9	1.6	. 4	. 1		7.0	13.1	7.1	5.8	6.8	8.3
E	1.3	2.7	.7	.1	.0		4.8	10.6	4.5	5.1	4.9	4.7
SE	1.3	2.3	.6	. 1	.1		4.3	11.5	4.0	4.2	5.2	3.9
5	1.4	3.6	2.5	. 8	. 3		8.5	16.1	8.5	8.9	8.7	8.0
SW	2.1	6.5	6.1	3.8	.5		19.0	18.7	18.6	19.6	19.6	17.9
W	2.3	7.2	9.9	6.8	1.5		27.7	21.4	27.0	27.6	28.1	28.2
NW	1.9	5.6	6.0	3.6	.6		17.7	19.6	17.1	17.9	16.3	20.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	. 8						.8	• 0	.2	. 8	1.2	. 9
TOT UBS	376	1004	841	461	88	2770		17.9	845	624	743	558
TOT POT	13 4	24.2	30 4	16 6	3 2		100.0		100.0	100 0	100 0	100.0

								JULY						
PERIOD	(PRIMARY) 191 (DVER-ALL) 185	1-1970						TARLE 4				AREA	0017 CAPE 33.95	LEEUWIN 114.6E
				PER	ENTAGE	FREQUE	NCY UF	WIND SP	EED BY	HOUR	(GMT)			
)	HOUR	CALM	1-3	4-10		SPEF0 (22-33		48+	MEAN	PCT FREQ	TOTAL DBS		
	0	00603 06609 12615 18621 TUT PCT	.2 .8 1.2 .9 21	1.8 2.4 3.9 2.3 72 2.6	27.0 25.8 28.1 27.1 749 27.0	35.7 35.9 34.2 38.4 994 35.9	25.1 27.1 24.0 22.9 687 24.8	8.5 6.7 7.4 7.9 213 7.7	1.7 1.3 1.2 .5 34 1.2	18.1	100.0 100.0 100.0 100.0	845 624 743 558 2770		

TABLE 4	TABLE 6
14055	14066

,	CT FRE			DIRFC		(EIGHTHS)							CEILIN NH <5/					
MND DIR	0-2	3-4	5-7	8 & DBSCD	TOTAL OBS	MEAN CLOUD COVER	000 149	150	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	1.5	1.1	3.7	2.4		5.4	.1	.0	.1	. 8	1.7	1.3	.3	. 2	.0	.0	4.1	
NE	1.9	1.0	1.1	1.4		4.3	.0	.0	.0	.0	.6	.6	.6	.0	.0	. 1	3.6	
E	1.1	1.7	1.5	. 5		4.2	.0	.0	.0	. 1	. 7	. 4	.1	.0	.0	. 1	3.4	
SF	. 4	. 9	1.7	. 7		5.3	.0	.0	. 1	. 1	. 5	.6	.6	.0	.0	.0	1.8	
S	1.4	1.6	4.2	.6		4.9	.0	.0	. 1	.6	1.6	. 8	1.0	.0	.0	.0	3.7	
SW	2.6	4.2	9.0	2.1		5.0	.0	.0	. 1	2.5	3.9	1.0	1.5	. 4	.0	.0	8.5	
W	3.0	5.6	16.5	4.4		5.4	.0	. 1	.5	3.9	6.9	3.6	1.6	. 4	.0	. 2	13.4	
NW	3.0	3.7	8.9	4.9		5.4	. 1	. 2	. 1	2.3	3.7	2.6	1.7	. 3	.0	.0	9.7	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 3	.0	.1	. 1		3.4	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.3	
TUT DBS	165	226	505	186	1082	5.2	2	3	11	111	212	119	82	14	0	4	524	1082
TUT PCT	15.2	20.9	46.7	17.2	100.0		. ?	. 3	1.0	10.3	19.6	11.0	7.6	1.3	• 0	.4	48.4	100.0

TABLE 7

CUMULATIVE PCT FREQ (F SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CEILING	■ DR	. DR	. DR	= DR	= OR	- DR	• DR	. DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR >6500	.4	.4	.4	.4	.4	.4	.4	.4
. DR >5000	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.6
• DR >3500	7.1	8.8	9.0	9.2	9.2	9.2	9.2	9.2
. DR >2000	16.2	19.4	20.1	20.2	20.2	20.2	20.2	20.2
 DR >1000 	31.5	37.6	39.2	39.6	39.7	39.7	39.7	39.7
■ DR >600	38.1	46.7	49.2	49.8	49.9	49.9	49.9	49.9
■ DR >300	38.5	47.3	50.0	50.7	50.8	50.8	50.9	50.9
• DR >150	38.5	47.5	50.3	51.0	51.0	51.0	51.1	51.1
• DR > 0	38.5	47.5	50.4	51.0	51.2	51.2	51.3	51.3
TOTAL	422	521	553	560	562	562	563	563

TOTAL NUMBER OF DBS: 1097 PCT FREQ NH 45/8: 48.7

TABLE 74

PERCENTAGE FREQ OF LUW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085C0 OBS 4.0 7.4 11.1 13.1 12.3 10.9 13.8 13.9 13.5 .0 1224

PERIOD:	(PRIMARY)	1911-1970
	(DVED ALL)	1957-1970

T	Δ	A	LF	8

AREA 0017 CAPE LEEUWIN 33.95 114.6E

		P	FRCENT	FREG	OF WIN	O DIRE	CHION TH VAR	VS DCC	URRENC	E OR N	ON-DC	CURRENC	E OF
VSBY		N	NE	E	SE	5	SW	w	NW	VAR	CALM	PCT	TOTAL
(NM)													085
	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	. 1	. 1	.0	.0		
	TOT \$.0	.0	.0	.0	.0	.0	. 1	. 1	.0	.0	. 2	
	PCP	• 1	. 1	. 1			.1	. 3	.2	.0	.0	. 6	
1/2<1	NO PCP	• 1	.1	. 1	. 1	.0	.1	. 1	. 1	.0	.0	.4	
	TOT \$	• 1	. 2	. 1	. 1		. 2	. 3	.3	.0	.0	1.2	
	PCP	.0	.0	.0	.0	.0	.0	. 1	. 2	.0	.0	.3	
1<2	NO PCP	.0	.0	.0	.0	. 1			. 2	.0	.0	.3	
	TOT X	.0	.0	.0	.0	. 1		• 1	. 3	.0	.0	.5	
	PCP	. 2		.0	.0	.0	.2	.6	.6	.0	.0	1.6	
2<5	NO PCP	.0	.0	.0	. 1	. 1	. 3	. 3	. 3	.0	.0	1.0	
	TOT %	. 2	•	.0	. 1	. 1	.5	. 9	.9	.0	.0	2.6	
	PCP	. 7	.5	. 1	. 1	1.0	2.3	3.8	1.9	.0	. 1	10.4	
5<10	NO PCP	2.8	2.4	. 9	. 9	2.7	4.9	7.7	4.8	.0	.1	27.0	
	TOT %	3.5	2.9	. 9	1.0	3.7	7.2	11.5	6.7	.0	. 1	37.4	
	PCP	. 5		.1		.4	1.0	1.7	.8	.0	.0	4.6	
10+	NO PCP	5.2	3.5	3.0	2.7	4.9	9.7	14.9	9.5	.0	.2	53.6	
	TOT \$	5.8	3.5	3.1	2.8	5.2	10.7	16.6	10.3	.0	. 2	58.1	
	TOT DBS												1925
	TOT PCT	9.6	6.6	4.1	3.9	9.1	18.5	29.4	18.5	.0	. 3	100.0	

TABLE

				PERCEN	T FREQ WITH V	DF WI	ND DIR	ECTION S OF V	ISIBIL	ND SPE	ED		
VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW		NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	. 1		.0		.1	
	TOT %	.0	• 0	.0	.0	.0	.0	. 1	•	.0	.0	.1	
	0-3	.0				.0	.0	.0		.0	.0	. 2	
1/2<1	4-10	.0	.0	.0		*	.0	.0		.0		.1	
	11-21	.0			.0	.0		. 1		.0		. 3	
	22+	. 1		.0	.0	.0	. 1	. 2	. 1	.0		. 5	
	TOT %	. 1	• 1	. 1	. 1		. 1	. 3	.2	.0	.0	1.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
142	4-10	.0	.0	.0	.0	. 0	.0		.0	.0		•	
	11-21			.0		. 1	.0		. 1	.0		. 3	
	22+	.0	.0	.0	.0	.0			. 2	.0		. 2	
	TOT %	•		.0		. 1	•	.1	. 3	.0	.0	.6	
	0-3	.0	.0	.0	.0			.0	.0	.0	.0		
245	4-10	. 1		.0	.0	.0	. 1			.0		. 3	
	11-21	. 1		.0		.0		. 2	. 2	.0		. 5	
	22+	. 2	.0	.0		. 1	. 4	. 6	.6	.0		1.8	
	TOT %	. 4	• 1	.0	. 1	.1	.5	, 8	. 8	.0	.0	2.6	
	0-3	. 1	. 2	. 2	. 2	. 1	.1	. 3	.2	.0	. 1	1.4	
5<10	4-10	. 8	1.1	.4	. 4	. 9	1.3	1.3	. 7	.0		6.8	
	11-21	1.4	. 9	. 2	. 2	1.5	2.4	3,2	2.0	.0		11.9	
	22+	1.0	.4			. 9	2.8	6.5	3.7	.0		15.4	
	TOT %	3.3	2.6	. 9	. 9	3.3	6.6	11,3	6.5	.0	.1	35.5	
	0-3	. 1	. 1	. 1	. 2	. 2	.3	.2	.1	.0	. 4	1.6	
10+	4-17	1.9	1.3	1.2	1.5	2.0	3.2	3,3	2.5	.0		17.1	
	11-21	2.5	2.1	1.6	. 8	2.1	4.8	6.8	4.1	.0		24.7	
	22+	1.3	. 2	. 2	. 3	1.0	3.3	6.6	3.9	.0		16.7	
	TOT %	5.8	3.8	3.0	2.8	5.3	11.5	16,9	10.6	.0	. 4	60.1	
	DT DES												2134
1	OT PCT	9.6	6.6	4.0	3.8	8.8	18.8	29,5	18.5	.0	.5	100.0	

								JU	ILY						
PERIOD: (PR.	IMARY) 1911-1 ER-ALL) 1857-1							TABLE	10			AR		CAPE LEE!	
				PER	CENT F		CURREN					>4/8) A	ND		
	HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
	00803	.0	.3	1.6	11.4	21.8	10.1	6.5	2.3	.0	.3	54.2	45.8	308	
	05809	.3	.3	1.0	10.3	20.2	13.9	7.3	.7	.0	.0	54.0	46.0	302	

3 11 112 213 121 83 14 .3 1.0 9.7 18.5 10.5 7.2 1.2

			TA	BLE 1	1						TABLE	12		
		PERCENT	FREQUENCY	VSBY	(NM)	BY HGUR		CUMULA					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	. 2	1.3	.8	2.5	37.4	57.8	628	00803	.0	2.4	16.7	40.5	42.9	294
90330	.4	1.4	.4	3.0	31.5	63.4	508	06609	.3	1.7	15.6	40.1	44.2	294
12615	.0	1.0	.5	2.4	39.7	56.3	584	12815	.0	1.2	13.7	32.8	53.5	256
18821	.0	.9	.4	2.4	33.7	62.6	463	18621	.4	. 8	10.3	36.0	53.8	253
TOT	.1		12	56 2.6	783 35.9		2183	PCT	.2	17	156 14.2	412 37.5	529 48.2	1097

				7	ABLE 1	3									TABLE	14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	TEMP		PCT		PER	CENT FR	EQUENCY	OF WI	ND DIE	RECTIO	N BY	TEMP	
EMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	ε	58	5	SW	×	NW	VAR	CAL
75/79	.0	.0	.0	.0	.0	:0	.1	.0	2	:1	.1		.0	.0	.0	.0	-1		.0	
70/74	.0	.0	.0	. 1	. 1	. 3	. 1	. 1	10		. 3			*			• 1	. 1	.0	
55/69	.0	.0	. 1	. 4	.9	1.7	1.4	. 4	69	5.0	1.6				. 1	. 2	• B	1.6		
50/64	.0	.0	.1	3.1	12.9	12.9	8.5	2.9	560	40.5	4.6			. 9	2.2	5.5	11.4	11.3		
55/59	.0	.0	. 1	3.0		17.1	11.1	3.4	643	46.5	2.7		2.2	2.4	3.5	11.5	16.0	6.0	.0	
50/54	.0	.0	.0	.7	.9	2.5	2.2	. 8	100	7.2	. 3	.1	.3	. 2	1.0	2.3	2.4	. 5	.0	
TOTAL	0	0	5		366	479	327	104	1384	100.0										
PCT	.0	.0	.4	7.4	26.4	34.6	23.6	7.5			9.5	5.6	4.2	3.6	7.0	19.4	30.8	19.6	.0	
					LF 15			E1 07	110110			0500	ENT FRE	OUENEY	TABLE		WIIN TO	••• p	V anii	
	EANS, E	XIKEME	S ANU	PERCEN	I I CE 2	UF IEM	P (DEG	F) BY	HOUR			PERC	EN PRE	ANEWC .	Ur KE	WILLAE	HUNTE	1110	, AUUK	
	MAX	99%	95%	50%	5%	1%	MIN		DTAL DBS		HOUR (GMT)	0-29	30-59	60-69	70-79	80-	89 90-	100	MEAN	TOT
DUR GMT)							49	58.6	841		00603	.0	8.1	22.5	37.			7.6	75	39
MT)		67	54	59	53	51														
MT)	74 73	67	54	59	53	51		59.9	626		06609	.0	13.0	31.5	30.1			5.8	72	
MT) 603 609	74				53 54 54		50		626		12615	.0	6.4	25.3	30.1			5.8	75	
	74 73	68	56	60	54	52	50	59.9								27	.0			35

PERIOD: (PRIMARY) 1911-1970 (OVER-ALL) 1857-1970

TABLE 17

AREA 0017 CAPE LEEUWIN 33.95 114.6F

Q

PCT FRFQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	49	53	57	61	65	69	73	TOT	W	WD
TMP DIF	52	56	60	64	68	72	76		FDG	FDG
11/13	.0	.0	.0	.0	.0	.0	. 1	1	.0	. 1
7/8	.0	.0	.0	.0	. 1	.0	.0	1 2	.0	.1
6	.0	.0	.0	.0	.1	.0	.0	1	.0	. 1
5 4 3 2 1 0	.0	.0	.1	. 1	.1	.1	.1	7	.0	. 4
4	.0	.0	. 4	. 2	. 2	. 1	. 1	17	.0	1.0
3	.0	. 1	. 1	. 4	. 3	.0	. 1	15	.0	. 9
2	.0	.0	. 4	.3	. 4	. 1	.0	18	.0	1.1
1	.0	.0	. 9	1.0	.6	.0	.0	42	.0	2.5
0	.0	. 2	1.5	2.5	. 6	. 1	. 1	84	. 1	4.8
-1	.0	. 4	2.6	4.0	. 9	.0	.0	134	. 2	7.6
-2	.0	. 8	3.1	3.8	.7	. 1	.0	144	. 1	8.4
-3	.0	. 9	4.2	3.3	. 9	.0	.0	159	. 2	9.2
-4	. 1	1.3	4.9	3.8	. 2	.0	.0	175	. 2	10.1
-5	. 2	1.6	6.7	3.1	. 2	.0	.0	200	.1	11.6
-6	. 1	1.9	0.1	2.6	.0	.0	.0	183	. 1	10.6
-7/-8	. 2	4.3	9.2	1.4	. 1	.0	.0	259	.0	15.2
-9/-10	.5	5.1	4.2	. 4	.0	.0	.0	173	.0	10.2
-11/-13	.5	2.3	1.3	.0	.0	.0	.0	69	.0	4.1
-14/-16	. 4	.5	. 1	.0	.0	.0	.0	16	.0	. 9
-17/-19	. 2	.0	.0	.0	.0	.0	.0	3	.0	. 2
TOTAL	36		775		89		7		17	1685
		331		456		8		1702		
PCT	2.1	19.4	45.5	26.8	5.2	.5	. 4	100.0	1.0	99.0

PERIOD: (DVER-ALL) 1963-1970

TABLE 18

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) NE 22-333 22-33 48+ HGT
<1
1-2
3-4
1-6
7
8-9
10-11
12
13-16
17-19
26-32
23-25
26-32
33-40
41-48
49-60
61-70
71-86
87+
TUT PCT 1-3 1-3 11-21 .3 .8 .6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 26-32 33-40 61-70 71-86 34-47 1-3 11-21 27-33 48+ 1-3 4-10 11-21

									JULY				4054	0017	****	FUNTS
PERIOD:	COVER	-ALL)	1963-1	970				TABLE	18 (CONT)				AKEA		S 114	
									*** *****	T . ON	VERSUE 6	FA HETE	UTC / CT			
				PC	T FREQ DE	WINE	SPEED	(KIS)	AND DIREC	TUN	, EV202 2	EA HEIG	mis (Fi	,		
				5								SW				
HGT	1-3	4-10	11-21	27-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	
<1	. 5	.0	.0	.0	.0	.0	.5		.2	3.2	.0	.0	.0	.0	4.0	
1-2	.0	1.5	. 2	.0	• 0	.0	1.6		• 2	2.1	2.2	.0	.0	.0	4.5	
3-4	.0	1.5	.3	.0	.0	.0	1.8		.0			. 2	.0	.0	4.2	
5-6	.0	. 2	1.1	.1	.0	.0	1.5		.0	.5		1.1	.4	.0	1.5	
7	.0	.0	. 9	.6	.0	.0	1.5		.0	.0		.7	.2	.0	1.1	
8-9	.0	.0	.0	.2	.0	.0	.2		.0	.0		.6	.2	.2	1.3	
10-11	.0	.0	.2	.0	• 0	.0	. 2		.0	.0	.0	.4	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0		.0	.2		:7	.2	.0	1.2	
13-16	.0	.0	.0	:0	.0	.0	.0		.0	.0		.2		.0	. 3	
60-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.1	.1	.0	.4	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	. 2	.0	.0	.0	.2	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
THT PCT	. 5	3.1	2.9	.9	.0	•0	7.4		.4	6.2	6.9	4.6	1.1	. 2	19.4	
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.1	4-10	.0	.0	.0	•0	.8		.2	. 2		.0	.0	.0	. 4	
1-2	.2	1.1	1.2	.0	.0	.0	2.4		.0	1.1		.0	.0	.0	1.6	
3-4	.0	2.4	2.4	.4	.0	.0	5.2		.0	1.2		.7	.0	.0	4.2	
5-6	.0	.3	3.8	1.6	.3	.0	6.1			. 4	1.7	2.3		.0	4.4	
7	.0	.2	1.3	4.5	. 5	.0	6.4		.0	. 2	1.2	1.2	. 2	.0	2.8	
8-9	.0	. 2	.4	1.9	.4	.0	3.0		.0	. 0	.1	2.6	1.0	.0	3.7	
10-11	.0	.0	.1	2.0	.9	.0	3.0		.0	.0		2.4	. 2	.0	2.6	
12	.0	.0	.0	1.9	.4	.0	2.3		.0	. 6		. 8	. 2	.0	1.0	
13-16	.0	.0	. 1	.6	. 2	.0	. 9		.0	. 0		.4	.0	. 2	.7	
17-19	.0	.0	. 1	.0	.5	.0	. 6		.0	. 0		.0	.0	.0	.0	
20-22	.0	.0	.0	.3	1.0	. 3	1.5		• 0	. 0		. 2	.0	.1	. 4	
23-25	.0	.0	.0	.0	. 4	. 5	. 9		• 0	. 0		.0	.0	.0	.0	
26-32	.0	.0	.0	. 1	. 2	0.0	. 3		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	. (.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	. 0		.0			.0	.0	.0	.0	
61-70	.0	.0	.0	.0	•0	• 0	.0		.0			.0	.0	.0	.0	
71-86	.0	.0	.0	.0	•0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	4.7	9.6	.0	4.6	.0			.0	3.1		10.6	1.5	.3	21.8	99.3
TOT PCT	.3	4.7	4.6	13.4	4.0	. 8	33.4		• 2		0.1	10.0	1.0	.,	24.0	

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нат	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.9	2.6	.0	.0	.0	.0	4.6	
1-2	. 5	9.3	3.0	.0	.0	.0	12.9	
3-4	.0	9.5	10.0	1.6	.0	.0	21.1	
5-6	.0	1.8	11.6	5.6	1.2	.0	20.2	
7	.0	. 4	4.8	8.3	1.1	.0	14.4	
8-9	.0	. 2	. 7	5.8	1.8	.0	8.5	
10-11	.0	.0	.7	4.9	1.2	. 2	7.0	
12	.0	.0	.0	3.2	.5	.0	3.7	
13-16	.0	. 2	.5	1.8	. 4	. 2	3.0	
17-19	.0	.0	. 2	. 2	. 5	.0	.9	
20-22	.0	.0	. 4	.5	1.1	. 4	2.3	
23-25	.0	.0	. 2	.0	.4	. 5	1.1	
26-32	.0	.0	.0	.2	. 2	.0	. 4	
33-40	• 0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	. 0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0		.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								568
TOT PCT	2.5	23.9	32.0	32.0	8.3	1.2	100.0	

PERIOD: (PRIMARY) 1912-1970 (DVER-ALL) 1858-1970

TABLE 1

AREA 0017 CAPE LEEUWIN 33.95 114.6E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
MNO DIS	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE		
N	2.5	6.0	.0	.0	.0	.0	.0	8.5	3.1	1.2	.0	.0	.0		88.5
NE	5.8	1.6	.0	.0	.0	.0	.0	7.4	. 5	.0	1.1	.0	. 3	.0	90.7
E	1.5	.5	1.0	.0	.0	.0	.0	2.9	1.5	.0	. 7	.0	.7	.0	94.1
SE	3.9	5.3	.5	.0	.0	.0	.0	9.7	2.4	.0	. 2	.0	.0	.0	87.6
S	1.7	7.5	1.1	.0	.0	.0	. 2	10.4	7.2	.0	.0	.0	.0	.0	82.4
SW	2.6	11.2	1.4	.0	.0	.0	.4	15.2	5.3	.3	.0	.0	.0	.0	79.2
W	4.7	13.0	1.3	.0	.0	.0	.4	19.2	5.0	1.0	1.2	.0	.0	.0	73.8
NW	8.8	13.3	.7	.0	.0	.0	.0	22.8	3.7	1.3	.2	.0	.0	.0	72.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.1	9.1	.0	•0	•0	•0	.0	18.2	.0	.0	.0	.0	.0	.0	81.8
TOT PCT TOT OBS:	1776	9.7	1.0	.0	•0	•0	. 2	14.9	4.4	.6	.5	.0	.1	.0	79.8

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HUUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HP	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00803 06809 12815 18821	5.0 4.0 3.8 3.3	10.1 7.3 9.7 11.8	1.5 1.3 .8 .5	.0	.0 .0	.0	.2	16.4 12.5 14.5 15.8	3.6 5.8 3.0 5.5	.4 .0 .8 1.3	.2	.0	.0	.0	79.4 81.3 81.3 77.6
TOT PCT TOT OBS:	4.1	9.7	1.0	•0	•0	.0	. 2	14.9	4.3	.6	.4	.0	•1	.0	79.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	DTS								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N	.6	2.3	3.6	1.0	. 3	.0		7.8	14.4	9.8	9.4	5.6	10.0	5.0	8.6	7.2	8.5	
NE	. 3	2.2	1.9	.6	. 1	.0		5.1	12.3	6.7	6.2	4.8	3.6	3.5	4.0	6.4	4.7	
E	. 4	3.6	1.3	.2		.0		5.6	9.3	4.4	7.8	5.0	4.9	5.8	4.5	6.9	6.3	
SE	. 3	2.9	1.9	.3	. 1	.0		5.7	11.6	5,5	6.4	4.9	4.4	6.3	5.0	7.0	5.4	
S	. 4	4.7	4.0	1.7	. 3	. 1		11.3	14.0	10.7	7.9	12.7	8.8	13.7	9.5	15.2	9.1	
SW	.6	5.2	7.3	5.2		.2		19.6	17.9	22.2	19.3	22.6	17.3	18.5	16.0	18.4	19.5	
W	.6	5.8	9.0	8.7	2.6	.4		27.0	20.1	25.6	24.1	25.2	28.2	28.7	32.4	25.7	27.5	
NW	. 4	4.2	5.9	4.9		. 1		16.8	18.5	15.0	18.1	18.9	20.1	16.4	17.1	12.2	18.5	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	
CALM	1.2							1.2	.0	. 2	.7	. 3	2.8	1.9	2.9	1.0	. 4	
TOT DES	125	803	909	588	148	21	2594		16.5	509		322	211	522	210	28€	235	
TOT PCT	4.8	31.0	35.0	22.7	5.7	. 8		00.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

		WIND	SPEED	(KNOTS)						House	RIGHT)
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						DBS	FREQ	SPD	03	09	15	21
N	1.6	3.2	2.1	.7	.2		7.8	14.4	9.7	7.3	6.0	7.8
NE	1.1	2.7	1.0	.3	.0		5.1	12.3	6.5	4.3	3.7	5.6
F	2.2	2.9	. 4	. 1	.0		5.6	9.3	5.7	4.9	5.5	6.6
S E	1.4	3.1	1.0	. 2	.0		5.7	11.6	5.8	4.7	5.9	6.3
S	2.4	5.5	2.3	1.0	. 2		11.3	14.0	9.7	11.1	12.5	12.5
S	2.0	7.4	6.4	3.3	. 5		19.6	17.9	21.1	20.5	17.8	18.9
W	2.6	7.7	10.1	5.2	1.3		27.0	20.1	25.1	26.4	29.7	26.5
NW	1.9	5.8	5.5	3.0	.5		16.8	18.5	16.2	19.4	16.6	15.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	.4	1.3	2.2	. 8
TOT DAS	424	994	750	357	69	2594		16.5	808	533	732	521
TOT PCT	16.3	38.3	28.9	13.8	2.7		100.0			100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1912-1970 (DVER-ALL) 1858-1970

TABLE 4 AREA 0017 CAPE LEEUWIN 33.95 114.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DBS
00603	.4	3.7	28.6	35.8	25.0	5.9	.6	17.0	100.0	808
90300	1.3	4.5	30.6	33.8	23.1	6.4	. 4	16.7	100.0	533
12415	2.2	3.7	33.2	33.3	21.2	5.3	1.1	15.9	100.0	732
18621	. 8	2.7	31.9	37.6	20.7	5.2	1.2	16.5	100.0	521
TOT	30	95	803	909	588	148	21	16.5		2594
PCT	1.2	3.7	31.0	35.0	22.7	5.7	. 8		100.0	-

TABLE 6

P	CT FRE			DIRFC		E I GHTHS)		1					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 0850n	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	1.9	1.0	2.6	.7		4.3	.0	.0	.0	. 3	. 8	.7	. 2	. 1	.0	.0	4.1	
NE	3.1	. 9	1.5	.6		3.1	.0	.0	.0	. 1	. 6	. 6	. 3	.0	.0	.0	4.4	
E	2.5	1.0	1.7	1.5		4.1	.0	.0	. 1	. 2	1.3	. 6	. 0	.0	.0	. 1	4.4	
SE	1.3	. 9	2.9	. A		4.9	.0	.0	. 1	. 2	1.4	. 4	. 5	. 1	.0	.0		
S	1.9	3.1	7.5	1.4		5.1	.0	.0	. 2	.6	3.1	2.3	. 5	. 1	. 1	.0	5.9	
SW	2.2	5.3	11.2	2.6		5.2	. 1	.0	. 2	1.9	4.8	2.9	1.3	. 1	.0	.0	10.0	
W	3.1	5.6	12.5	4.0		5.2	.0	.0	. 5	3.5	5.5	2.4	1.4	. 1	. 2	.0		
NW	2.1	3.6	5.1	3.5		5.2	.0	. 1	. 2	1.8	2.0	1.7	.6	.0	. 1	. 1	7.6	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 2	. 1	.4	. 1		5.0	.0	.0	.0	.1	. 4	.0	.0	.0	.0	.0	.3	
TOT OBS	177	207	441	146	971	4.9	1	1	12	85	193	113	46	4	4	2	510	971
TUT PCT	18.2	21.3	45.4	15.0	100.0		. 1	• 1	1.2	8.8	19.9	11.6	4.7	. 4	. 4	. 2	52.5	100.0

TABLE 7

CUMULATIVE PCT FRFQ OF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM	()			
CF	ILING	 DR 	• UR	= DR	= DR	= DR	- DR	 DR 	 DR
(F	EFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	.6	.7	.7	.7	. 7	.7	.7	.7
OR	>5000	.9	1.1	1.1	1.1	1.1	*1.1	1.1	1.1
OK	>3500	5.1	5.8	6.0	6.0	6.0	6.0	6.0	6.0
OR	>2000	14.5	16.7	17.4	17.5	17.5	17.5	17.5	17.5
OR	>1000	30.3	36.2	37.1	37.2	37.2	37.2	37.2	37.2
OR	>400	34.7	43.8	45.5	45.6	45.6	45.9	45.9	45.9
OR	>300	35.0	44.8	46.8	46.9	46.9	47.1	47.1	47.1
DR	>150	35.0	44.8	46.9	47.0	47.0	47.2	47.2	47.2
OR	> 0	35.0	44.8	46.9	47.0	47.1	47.3	47.3	47.3
	TOTAL	346	443	453	464	465	467	467	467

TOTAL NUMBER OF OBS: 988 PCT FREQ NH <5/81 52.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSC0 0BS 5.7 8.6 12.0 11.7 14.5 11.3 11.1 12.5 12.6 .0 1078

AI	101	12	т

PERIDO:	(PRIMARY)	1912-1970	AREA 0017	CAPE	LEEUWIN
	(DVER-ALL)	1858-1970	TABLE 8 33	.95	114.6E

		P	ERCENT	FREQ	OF WIN	D DIRE	CTION	VS DCC	ALUES	E DR N	IDN-DC	CURRENC	E OF
				PREC	IPIIAI	104 #1	In VAN		46060	OF V13	110111		
VSBY		N	NE	E	SF	5	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)													OBS
	PCP	*	.0	.0	.0	.0		. 1	. 1	.0	.0	. 2	
<1/2	NO PCP	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	.0	.0	.0	.0	*	. 1	. 1	.0	.0	. 2	
	PCP	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
1/2<1		.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	. 1	.0	.0	.0	.0	. 1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	• 0	.0	.0	.0	.0	.0	.0	. 1	.0	.0	. 1	
	TOT %	• 0	• 0	.0	.0	.0	.0	.0	. 1	.0	.0	. 1	
	PCP		1	.0	.1	.0	• 1	.3	. 2	.0	.0	.9	
2 < 5	NO PCP	• 1	• 1			. 2	. 2	. 4	. 3	.0	.0	1.1	
	TOT *	• 1	• 2		.1	.7	.3	. 7	.5	.0	.0	2.0	
	PCP	.5	. 2	.1	. 3	1.0	2.3	3.4	2.3	.0	.0		
5<10	NO PCP	2.7	1.2	1.2	1.3	3.6	6.8	8.2	5.6	.0	. 2		
	TOT %	3.3	1.4	1.3	1.6	4.7	9.1	11.6	7.9	.0	.2	41.1	
	PCP	.0	. 1	. 1	.3	.3	.7	1.1	. 9	.0	.1	3.5	
10+	NO PCP	3.4	3.7	4.4	3.9	7.8	11.2	12.1	6.3	.0	. 3		
	TOT %	3.4	3.7	4.4	4.2	8.1	11.9	13.2	7.2	.0	.4	56.5	
	TOT OBS												1773
	TOT PCT	6.8	5.3	5.8	5.8	12.9	21.4	25.6	15.7	.0	.6	100.0	

TABLE 9

				PERCEN	T FREQ WITH V	OF WI	ND DIR	S OF V	ISIRIL	ND SPE	ED		
VSBY (NM)	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+		.0	.0	.0	.0	*	. 1	.1	.0		.0	
	TOT %		.0	.0	.0	.0	*	. 1	. 1	.0	.0	. 2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	• 0	.0	.0	.0	. 1	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	. 1	.0	.0	.0			
	TOT *	.0	.0	.0	.0	.0	. 1	.0	.0	.0	.0	:1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	. 1	.0		. 1	
	TOT %	.0	.0	.0	.0	.0	.0	.0	. 1	.0	.0	.1	
	0-3	.0	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
2<5	4-10	*	. 1	.0	.0	. 1	. 1	.0	. 1	.0		.4	
	11-21	. 1	.0	*	. 1	. 1	.0	. 4	. 1	.0		: 5	
	22+		• 1	.0	.0	.0	. 2	.6	. 3	.0		1.2	
	TOT %	. 1	• 2	•	. 1	. 1	. 3	1.0	.6	.0	.0	2.3	
	0-3	.4	• 1	. 1	. 1	.2	. 1	. 2	.1	.0	2	1.5	
5<10	4-10	.7	. 4	. 8	. 5	1.4	1.8	2.0	1.9	.0		9.5	
	11-21	1.2	.5	. 3	.7	1.3	2.5	3.8	2.6	.0		13.0	
	22+	. 7	. 3	.0	. 2	1.4	4.4	5.6	2.8	.0		15.4	
	TOT %	3.0	1.3	1.2	1.5	4.3	8.9	11.7	7.4	.0	. 2	39.4	
	0-3	. 1	. 2	.4	.3	. 1	.5	.6	. 2	.0	.6	2.9	
10+	4-10	1.4	2.1	3.2	2.8	3.9	3.8	3.8	1.5	.0		22.6	
	11-21	2.2	1.4	. 8	.9	2.9	5.1	5.2	2.6	.0		21.1	
	22+	. 4	• 1	. 1	. 1	1.1	2.4	4.0	2.9	.0		11.2	
	TUT %	4.1	3.8	4.5	4.2	8 - 1	11.8	13.6	7.2	.0	.6	57.9	
	OT URS												1920
7	OT PCT	7.3	5.3	5.8	5.7	12.5	21.1	26.3	15.3	.0	. 8	100.0	

PAGE 124

AUGUST

PERIOD:	(PRIMARY)	1912-1970
	(CILED ALL)	1050 1070

TABLE 10

AREA 0017 CAPE LEEUWIN 33.95 114.6E

PERCENT	FREQUENCY OF	CFILING	HEIGHTS	(FEET.NH	>4/81	AND
FUCTION	PRESIDENCY OF	NCE DE NI	4 /5/8 BY	HOUR		

HOUR (CMS)	000	150 299	300 599	600	1000 1999		3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00803	.0	.3	• 7	9.8	22.7	12.9	5.6	.7	.3	.3	53.5	46.5	286	
06609	.4	.0	1.8	7.3	20.4	10.5	4.7	.0	.7	.0	45.8	54.2	275	
12815	.0	.0	.8	9.3	15.3	10.4	3.8	.8	.0	.4	40.7	59.3	236	
18621	.0	.0	1.3	7.2	16.0	10.1	4.2	.0	.4	.4	39.7	60.3	237	
TOT	.1	.1	12	87	195	114	4.6	.4	.4	.3	469	565 54.6	1034	

TABLE 11

TABLE 12

						CUMULATIVE	PCT	FREQ	DF	RANGES
PERCENT	FREQUENCY	VSBY	(NM)	BY	HOUR	CE	ILIN	HGT	(F	EET, NH

					•							-			
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)		
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DRS	HOUR (GMT)	<150 <50YD		<1000 <5		NH <5/8 AND 5+	TOTAL	
60300	.0	• 2	•0	2.2	41.0	56.6	578	60300	.0	1.1	13.9	42.7	43.4	274	
90360	.5	.2	•0	3.1	35.1	61.2	425	90300	.4	2.6	10.9	37.4	51.7	265	
12615	.0	.0	• 0	2.6	44.9	52.6	548	12615	.0	.9	12.3	31.5	56.2	219	
18821	.5	.0	• 2	1.2	35.2	62.9	423	18821	.0	1.7	9.6	31.7	58.7	230	
TOT	.2	_	1	45 2.3	781 39.6	1141	1974	TOT PCT	1	16	116	358 36.2	514 52.0	988	

TAPLE 13

TABLE 14

	PERC	ENT FR	EQUENC	YOFR	ELATIV	E HUMI	TTY B	Y TEMP		247		PERC	ENT FR	EQUENC	Y OF F	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
70/74	.0	.0	.0		.1	.0	.1	.1	3	.2	.0	.1	.0	.0	.0	. 1	.1	.0	.0	.0
65/69		.0	.1	.1	1.1	.7	. 8	. 4	45	3.4	.5	.1	. 4	. 2	.0	. 2	.6	1.2	.0	- 1
60/64	.0	.0	.6	2.6	9.3	11.3	5.0	1.6	409	30.5	3.3	2.2	2.6	1.1	1.5	3.3	8.1	8.2	.0	.1
55/59	.0	-1	. 4	3.6	14.0	18.0	11.2	4.6	697	51.9	2.3	3.1	2.2	3.6	8.1	12.7	13.6	5.8	.0	. 6
50/54	.0	.0	.0	1.6	3.5	2.8	4.5	1.5	187	13.9	.3	. 4	. 7	. 8	3.5	5.0	2.5	. 8	.0	.0
45/49			.0	.0	.0	.1	. 1	.0	2	.1	.0	.0	.0		. 1	.1	.0	.0	.0	.0
TOTAL		1	15	107	376	443	291	110	1343	100.0										
						22 0					6.4		4 0		12 1	21 2	26 9	15 0	0	

TARLE 15

MEANS, EXTREMES	AND	PERCENTILES	OF	TEMP	(DEG F)	BY	HOUR	

HOUR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00603	72	67	64	58	53	51	48	58.3	805
90300	72	69	65	59	54	51	49	59.4	525
12615	73	66	64	58	52	50	48	58.1	727
18621	66	64	62	58	52	51	47	37.5	526
TOT	73	67	64	58	53	50	47	8 3	2583

	PERC	EN! FRE	MOENCA	OF KELA	I I VE H	OWIDIIA	HT HUUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	.0	9.0	25.6	35.5	22.3	7.7	74	391
12615	.0	7.5	22.9	35.6	23.5	10.5	75	371
18621	.0	6.2	28.6	30.2	24.7	10.4	75	308

PERIOD: (PRIMARY) 1912-1970 (OVER-ALL) 1858-1970

AREA 0017 CAPE LEEUWIN 33.95 114.6E

TABLE 17 PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (MITHOUT PRECIPITATION)

.S AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

. 3	WIK.	-3CM	FIRE	MAIONE	01		TUE O F			
AIR-SEA	49	53	57	61	65	69	73	TOT	W	WD
TMP DIF	52	56	60	64	68	72	76		FDG	FDG
7/8	.0	.0	.1	. 1	.1 .0 .1 .3 .4	.0	.0	3	.0	. 2
6	.0	.0	.0	.0	. 1	.0	.0	2	.0	.1
5	.0	.0	.2	.1	.0	.0	. 1	3 2 5 10	.0	.3
4	.0	.0	. 3	. 2	. 1	. 1	.0		.0	.6
3	.0	. 1	. 1	. 3	. 3	. 2	.0	17	.0	1.1
2	.0	. 1	.4	.8	. 4	. 1	.0	29	.0	1.9
1	.0	. 1	1.2	1.4	. 9	.0 .1 .2 .1	.0	57	.0	3.7
0	.0	. 4	2.1	2.3	. 4	. 1	.0	82	. 1	5.2
5 4 3 2 1 0	. 1	. 4	2.7	3.1	.9	.0	.0	108	. 1	6.9
-2	.0	. 4	3.3	3.2	. 2	.0	.0	119	. 1	7.5
-3	.0	1.7	4.1	3.4	.0	.0	.0	144	. 1	9.2
-4	. 1	2.4	5.7	3.0	. 1	.0	.0	176	.0	11.3
-5	. 2	2.9	6.9	1.5	.0	.0	.0	180	. 1	11.5
-6	. 3	2.6	5.9	1.0	.0	.0	.0	153	.0	9.8
-7/-8	.6	6.7	7.5	1.1	.0	.0	.0	248	.0	15.9
-9/-10	1.4	5.4	2.4	.0	.0	.0	.0	143	.0	9.2
-11/-13	1.0	2.6	. 9	. 1	.0	.0	.0	71	.0	4.6
-14/-16	. 1	. 4	. 1	.0	.0	.0	.0	9	.0	.6
-17/-19	.0	. 1	.0	.0	.0	.0	.0	1	.0	. 1
TOTAL	61		682		50		1		6	1551
		419		338		6		1557		
PCT	3.9	26.9	43.8	21.7	3.2	. 4	. 1	100.0	. 4	99.6

PERIOD: (DVER-ALL) 1963-1970

TABLE 18

PCT FREG DF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 1-3 1-3 1.4 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
23-25
24-32
23-25
24-38
49-60
61-70
71-86
87+
TOT PCT 11-21 48+ 1-3 1-3 34-47

									AUG	UST							
PERIOD:	COVE	K-ALL)	1963-1	.470				TABLE	1.8	(CUNT)				AREA	0017	95 114	
								IABLE	10	(CON)					55.	73 114	.00
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT			
				5									SW			PCT	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT 1.7			1-3	4-10			34-47	48+	.8	
<1	.0	1.6	.1	.0	• 0		3.5			.0	3.5			.0	.0	4.7	
1-2 3-4	.0	2.7	1.9	.4	.0	.0	3.7			.0	2.1			.0	.0	5.5	
5-6	.0	.5	1.6	.3	.0		2.4			.0	.,			. 2	.0	5.5	
7	.0	.0	1.9	.6	.0	.0	2.5			.0	. 2		1.5	. 2	.0	2.7	
8-9	.0	.0	.1	.5	.0	.0	.7			.0	. 0			. 2	.0	1.9	
10-11	.0	.0	.0	.6	.4	.0	1.0			.0	.0			.3	.0	. 9	
12	.0	.0	.0	.2	.2	.0	.4			.0	.0			. 2	.0	. 3	
13-16	.0	.0	.2	.4	.0	.0	.5			.0	.0			.0	.0	. 2	
17-19	.0	.0	.0	.0	. 2	.0	. 2			.0	. 0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0		.0			.0	.0		.0	. 2	.0	. 2	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
51-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0		.0			.0	.0			.0	.0	.0	
TOT PCT	.0	6.2	6.6	3.1	. 8	.0	16.7			. 5	6.9	9.3	4.6	1.3	.0	22.6	
				W									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.7	.7	.0	.0	.0	.0	1.5			.0	.0		.0	.0	.0	.0	
1-2	. 2	1.3	.5	.0	.0	• 0	2.0			. 4	. 7		.0	.0	.0	1.7	
3-4	.0	1.5	2.1	. 8	.0	.0	4.5			.0	. 7			.0	.0	2.6	
5-6	.0	. 3	2.4	1.0	.0	• 0	3.8			.0			.4	.0	.0	2.8	
7	.0	. 2	1.5	1.4	. 3		3.3			.0	. 2			. 2	.0	2.7	
8-9	.0	.0	.9	2.1	.6		3.7			.0	.0			.1	.0	1.0	
10-11	.0	.0	.2	.2	.7	• 0	1.1			.0	.0		.7	. 2	.0	. 9	
12	.0	.0	.0	.5	.3	.0	. 6			.0	.0			.0	.0	.4	
17-19	.0	.0	.0	.0	.2		.0			.0	.0		.2	.0	.0	.0	
20-22	.0	.0	.0	.0	.0		.2			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0		.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0		.0			.0	. 0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0				.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.9	4.1	7.7	6.0	2 - 1	.0	20.8			. 4	2.1			. 5	.0	12.3	98.5

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0~3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.5	4.8	.2	.0	.0	.0	9.4	
1-2	1.2	14.8	4.5	.0	.0	.0	20.5	
3-4	.0	10.3	13.5	1.2	.0	.0	25.1	
5-6	.0	2.1	12.5	3.0	. 2	.0	17.8	
7	.0	.5	6.1	4.8	.7	.0	12.1	
8-9	.0	.0	1.6	5.0	.9	.0	7.5	
10-11	.0	.0	. 2	2.1	1.6	.0	3.9	
12	.0	.0	.0	1.2	.7	.0	2.0	
13-16	.0	.0	.2	.7	.0	.0	. 9	
17-19	.0	.0	.0	.0	.4	.0	. 4	
20-22	.0	.0	.0	.2	. 2	.0	. 4	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-45	.0	.0	.0	.0	.0	.0	.0	
49-60	• 0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								561
TOT PCT	5.7	32.6	38.7	18.4	4.6	.0	100.0	

PERIOD: (OVER-ALL) 1949-1970 TABLE 19

PERIOD: (OVER-ALL) 1949-1970 TABLE 19

PERIOD: (1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ TOTAL 4EAN (SEC) (

PERIOD: (PKIMARY) 1912-1970 (DVER-ALL) 1859-1970

TABLE 1 AREA 0017 CAPE LEGUMIN 33.9S 114.6E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA		
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	BLWG	DUST SNOW	ND SIG WEA
N NE	1.1	8.4	1.5	.0	.0	.0	.0	11.0	2.7	1.9	1.9	.0	.0		.0	86.3
E SE	1.9	4.3	2.1	.0	•0	.0	.0	7.0	3.2	1.0	.0	.0	.0	*	.0	91.3
SW	3.2	6.7	2.2	.0	.0	.0	.3	9.4	2.9	.0	.0	.0	.4		.0	87.4
W	3.7	14.6	1.9	.0	.0	.0	.3	20.1	5.4	1.3	.2	.0	.0		.2	73.4
VAR CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0		.0	92.9
TOT PCT	2.7	9.3	1.5	.0	•0	.0	. 2	13.5	3.6	.8	. 3	.0	.1		. 1	82.1

TABLE 2

DERCENT	ERECHENCY	ne	WEATHER	DCCUPRENCE	BY HOUR

						mineral in the	2 2000				-				
			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	3.9 1.2 2.5 3.4	8.7 9.0 10.7 8.0	1.6 1.2 1.2 3.1	.0	.0	.0	.2 .5 .0	14.0 11.6 14.5 14.2	3.5 5.7 1.9 3.4	.4 .2 1.0 1.6	.2	.0	.0	.2	81.9 82.7 82.4 80.9
TOT PCT	2.8	9.2	1.7	.0	.0	.0	.2	13.6	3.6	.8	.3	.0	. 1	.1	82.0

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	n SPEE	D (KNO	TSI								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	DBS	FREQ	SPD	00	03	06	09	12	15	18	21
N	.3	2.0	1.3	.6	.2	.0		4.4		5.6	7.9	3.0	3.4	3.3	4.6	3.1	4.3
NE	. 3	2.1	1.0	. 2	.0	.0		3.5	9.5	5.1	6.2	2.4	2.2	1.8	4.0	2.8	4.3
E	. 3	2.8	2.5	. 2		*		5.8	11.1	7.4	6.6	6.7	2.9	3.9	4.8	7.7	5.1
SE	. 4	3.9	4.0	.7				9.0	12.2	8.7	7.5	9.3	5.9	9.7	8.9	12.2	7.1
S	. 8	6.6	5.0	2.0	.1	.0		14.5	12.6	14.4	10.7	15.8	15.8	14.3	14.4	14.1	17.5
SW	. 6	7.7	8.6	4.4	1.6	. 2		23.0	16.4	21.3	19.7						19.5
W	.2	6.1	10.6	6.1	2.8	. 2		26.0	19.1	24.6	24.5						
NW	. 3	3.5	5.2	2.8	. 8			12.7	17.0	12.3	16.3	14.1					13.3
VAR	.0	.0	.0	.0	.0	. 0		.0	.0	• 0	.0	.0					
CALM	1.2								.0	. 5							3.1
TOT OBS		872	963	423	138	11	2516										195
TOT PCT	4.3	34.7	38.3	16.8	5.5	. 4		100.0									
	N NE E S S W N W R NA M N N N N N N N N N N N N N N N N N	NE .3 NE .3 E .3 SE .4 S .6 S .6 W .2 NH .3 VAR .0 CALM 1.2	N 3 2.0 NE 3 2.1 E 3 2.8 SE 4 3.9 S 8 6.6 SW .6 7.7 H .2 6.1 NH .3 3.5 VAR .0 .0 CALM 1.2 TOT OBS 109 872	N	NR .3 2.0 1.3 .6 NE .3 2.1 1.0 .2 E .3 2.8 2.5 .2 SE .4 3.9 4.0 7 S .8 6.6 5.0 2.0 SW .6 7.7 8.6 4.4 H .2 6.1 10.6 6.1 NW .3 3.5 5.2 2.8 VAR .0 0 0 0 CAUM 1.2 TOT OBS 109 872 963 423	N 3 2.0 1.3 .6 .2 .2 .3 .3 .5 .2 .3 .3 .5 .2 .3 .3 .5 .2 .3 .3 .5 .2 .3 .3 .5 .2 .3 .3 .5 .2 .3 .3 .5 .2 .3 .3 .5 .2 .3 .3 .3 .5 .2 .3 .3 .3 .5 .2 .3 .3 .3 .5 .2 .3 .3 .3 .5 .2 .3 .3 .3 .5 .2 .3 .3 .3 .5 .2 .3 .3 .3 .5 .3 .2 .3 .3 .3 .5 .3 .2 .3 .3 .3 .5 .3 .2 .3 .3 .3 .5 .3 .2 .3 .3 .3 .5 .3 .2 .3 .3 .3 .3 .5 .3 .2 .3 .3 .3 .3 .3 .5 .3 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	NR	NO 01R 0-3 4-10 11-21 22-33 34-47 48+ TOTAL DBS NE .3 2.0 1.3 .6 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT DBS FREQ NE .3 2.0 1.3 .6 .2 .0 4.4 NE .3 2.1 1.0 .2 .0 .0 3.5 SE .3 2.8 2.5 .2 * 5.8 SE .4 3.9 4.0 .7 * 7 9.0 S SW .6 7.7 8.6 4.4 1.6 .2 22.0 NE .3 2.8 2.5 .2 2 * 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8	NO 01R 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN OBS FREQ SPD NE N	NND DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN OBS FREQ SPD 00 N	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN D85 FREQ SPD 00 03 N 3 2.0 1.3 .6 .2 .0 4.4 12.6 5.6 7.9 NE .3 2.1 1.0 .2 .0 .0 3.5 9.5 5.1 6.2 E .3 2.8 2.5 .2 * 5.8 11.1 7.4 6.6 SE .4 3.9 4.0 .7 * 7 9.0 12.2 8.7 7.5 S .8 6.6 5.0 2.0 .1 .0 14.5 12.6 14.4 10.7 SN 6 7.7 8.6 4.4 1.6 .2 23.0 16.4 21.3 19.7 H .2 6.1 10.6 6.1 2.8 .2 26.0 19.1 24.6 21.3 19.7 NW .3 3.5 5.2 2.8 .9 * 12.7 17.0 12.3 16.3 VAR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN DBS FREQ SPD 00 03 06 N 3 2.0 1.3 .6 .2 .0 4.4 12.6 5.6 7.9 3.0 NE .3 2.1 1.0 .2 .0 .0 3.5 9.5 5.1 6.2 2.4 E .3 2.8 2.5 .2 * * 5.8 11.1 7.4 6.6 6.7 5.5 5.8 11.1 7.4 6.6 6.7 5.5 5.8 11.1 7.4 6.6 6.7 5.5 5.8 11.1 7.4 6.6 6.7 5.5 5.8 11.1 7.4 6.6 6.7 5.5 5.8 11.1 7.4 6.6 6.7 5.8 7.9 12.2 8.7 7.5 9.3 5.8 6.6 5.0 2.0 .1 .0 14.5 12.6 14.4 10.7 15.8 5.8 5.8 6.6 5.0 2.0 .1 .0 14.5 12.6 14.4 10.7 15.8 5.8 5.8 6.6 5.0 2.0 .1 .0 14.5 12.6 14.4 10.7 15.8 5.8 5.8 6.6 5.0 2.0 .1 .0 14.5 12.6 14.4 10.7 15.8 5.8 5.8 6.6 5.0 2.0 .1 .0 14.5 12.6 14.4 10.7 15.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8	NO 01R 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN 00 03 06 09 08	NND 01R 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN 00 03 06 09 12 085 FREQ SPD 00 03 085 FREQ S	NO 01R 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN DO 03 06 09 12 15 N 3 2.0 1.3 .6 .2 .0 .4.4 12.6 5.6 7.9 3.0 3.4 3.3 4.6 NE .3 2.1 1.0 .2 .0 .0 3.5 9.5 5.1 6.2 2.4 2.2 1.8 4.0 E .3 2.8 2.5 .2 * * 5.8 11.1 7.4 6.6 6.7 2.9 3.9 4.8 SE .4 3.9 4.0 .7 * * 9.0 12.2 8.7 7.5 9.3 6.9 9.7 8.9 S .8 6.6 5.0 2.0 .1 .0 14.5 12.6 14.4 10.7 15.8 15.8 14.3 14.4 SN 6 7.7 8.6 4.4 1.6 .2 23.0 16.4 21.3 19.7 22.6 21.8 27.6 23.1 H .2 6.1 10.6 6.1 2.8 .2 26.0 19.1 24.6 24.5 24.9 34.7 26.2 23.1 NN 7AR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	NO 01R 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN DO 03 06 09 12 15 18 N 3 2.0 1.3 .6 .2 .0 4.4 12.6 5.6 7.9 3.0 3.4 3.3 4.6 3.1 NE .3 2.1 1.0 .2 .0 .0 3.5 9.5 5.1 6.2 2.4 2.2 1.8 4.0 2.8 E .3 2.8 2.5 .2 * * 5.8 11.1 7.4 6.6 6.7 2.9 3.9 4.8 7.7 5.5 4 3.9 4.0 7.7 * * 9.0 12.2 8.7 7.5 9.3 6.9 9.7 8.9 12.2 5 8.8 6.6 5.0 2.0 .1 .0 14.5 12.6 14.4 10.7 15.8 15.8 14.3 14.4 14.1 5.8 5.8 1.0 1.0 14.5 12.6 14.4 10.7 15.8 15.8 14.3 14.4 14.1 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8

	O. I.	-	2 4

		WIND	SPEED	(KNDTS)						HOU	R (GMT	,
WHO DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						DBS	FREQ	SPD	03	09	15	21
N	1.2	2.0	. 8	.3			4.4	12.6	. 6.4	3.2	3.6	3.6
NE	1.4	1.6	.5	.1	.0		3.5	9.5	5.5	2.3	2.4	3.4
E	1.3	3.5	1.0	*			5.8	11.1	7.1	5.3	4.1	6.7
SE	1.7	5.2	1.9	. 2			9.0	12.2	8.2	8.4	9.4	10.2
5	3.4	7.3	2.8	. 9	. 1		14.5	12.6	13.1	15.8	14.3	15.4
SW	2.9	10.4	6.4	2.8	. 6		23.0	16.4	20.7	22.3	26.4	22.5
W	2.2	9.8	8.1	4.6	1.2		26.0	19.1	24.6	28.6	25.4	26.1
NW	1.6	5.1	3.9	2.0	. 1		12.7	17.0	13.8	13.0	12.6	10.8
VAR	. 0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	. 6	1.1	1.7	1.2
TOT ORS	424	1130	638	273	51	2516		15.3	780	545	686	505
TOT PCT	16.9	44.9	25.4	10.9	2.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1912-1970 (DVER-ALL) 1855-1970

TABLE 4

AREA 0017 CAPE LEEUWIN 33.95 114.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL
E0300	.6	2.9	34.2	39.7	16.8	4.9	. 8	15.6	100.0	780
90300	1.1	2.4	31.6	38.7	18.2	7.9	. 2	16.2	100.0	545
12615	1.7	3.6	35.6	35.9	17.1	5.5	. 6	15.1	100.0	686
18821	1.2	3.8	37.4	38.8	15.0	3.8	.0		100.0	505
TOT	29	80	872	963	423	138	11	15.3		2516
PCT	1.2	3.2	34.7	38.3	16.8	5.5	.4		100.0	

TABLE 5

TABLE 6

P	CT FRE					EIGHTHS)		,					CEILIN NH C5/					
		В	A MINI	DIREC	TIUN	MEAN				4140 00	CORREN	CE DF	MH (3)	0 01 "	1110 01	INEC I I		
WND DIR	0-2	3-4	5-7	3 8	TOTAL	CLOUD	000	150	300	600	1000	2000	3500	5000		8000+	NH <5/8	
				DBSCD	DBS	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	DBS
N	1.8	. 4	1.1	.3		3.3	.0	.0	.0	.2	.5	*		. ?	*	.0	2.6	
NE	1.4	. 7	1.0	. 5		3.6	.0	.0	.0	. 1	. 5	. 2	. 2	• 1	*	.0	2.5	
E	2.7	. 9	2.3	. 8		3.6	.0	.0	.0	. 1	. 8	. 9	. 3	. 0	*	.0	4.6	
SF	2.9	2.5	4.2	. 9		4.3	.1	.0	. 1	1.2	1.7	. 9	. 3	• 1		.0	6.0	
S	2.7	3.1	6.8	2.5		4.9	.0	.0	. 1	. 9	3.8	1.8	.7	. 4	.0	.0	7.4	
SW	2.7	5.0	11.3	4.7		5.4	.0	. 2	.3	2.3	5.8	3.9	1.0	. 5	.0		9.8	
W	3.0	5.1	11.8	5.4		5.4	.0	.0	.3	2.9	6.6	3.0	. 9	. 4	.0	. 2	10.9	
NW	1.9	2.0	4.8	2.1		5.2	.0	. 2		. 7	2.2	1.4	.5	. 2	.0	. 1	5.6	
VAP	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.4		. 1	. 2		3.6	.0	.0	.0	.0	.1	.0	. 1	.0	.0	. 0	.5	
TOT OBS	215	220	480	192	1107	4.9	1	4	9	92	243	134	44	20	2	4	554	1107
TOT PCT	19.4	19.9	43.4	17.3	100.0		• 1	. 4	. 8	8.3	22.0	12.1	4.0	1.8	. 2	. 4	50.0	100.0

TABLE 7

CUMULATIVE PCT FRE	A DE	CTMIN TAN	FOUS DC	CHRRENCE
OF CEILING HEIGH	T (NH	>4/8) A	ND VSBY	(NM)

					VSBY (NM)			
CE	ILING	· OR	· DR	· DR	= DR	= DR	· DR	 DR 	• DR
	EFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• OR	>6500	.4	.5	.5	.5	.5	.5	.5	.5
- OR		2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3
- OR		5.2	6.2	6.3	6.3	6.3	6.3	6.3	6.3
- DR		16.1	17.9	18.2	18.2	18.2	18.2	18.2	18.2
• OR		33.7	38.8	39.9	40.0	40.0	40.0	40.0	40.0
- OR		39.6	46.8	48.3	48.4	48.4	48.4	48.4	48.4
- OR		39.9	47.4	49.0	49.2	49.2	49.2	49.2	49.2
- DR		40.0	47.7	49.3	49.6	49.6	49.6	49.6	49.6
- DR		40.1	47.8	49.4	49.7	49.7	49.7	49.7	49.7
	TOTAL	451	538	556	559	559	559	559	559

TOTAL NUMBER OF OBS: 1125 PCT FREQ NH <5/81 50.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD 08S 7.7 8.5 11.4 12.1 10.5 9.3 13.2 12.6 14.7 .0 1224

CE	n	-	c	0	c	a	

							•	LINDL						
ERIND: (PRIMARY) 1' (OVER-ALL) 1							TA	BLE 8				ARE	A 0017 CAP 33.95	114.6
		P	RCENT	PREC I	F WIN	D DIRE	CTION TH VAR	VS DCC	URRENC	E OR N	IBILI1	URRENC	E OF	
VSBY (NM)		N	NE	E	SE	5	Sw	W	NW	VAR	CALM	PCT	TOTAL	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	PCP		.0	.0	.0	.0	.0	. 1		.0	.0	.1		
1/2<1	NO PCP	• 0	.0	.0	.0	.0	.0	. 1	.0	.0	. 1	.1		
	TOT %		• 0	.0	.0	.0	.0	. 1		.0	.1	. 2		
	PCP	• 0	.0	.0	.0	.0	.0		. 1	.0	.0	.1		
1<2	NO PCP	.0	.0	.0	.0	. 1	. 1	.0	.1	.0	.0	. 2		
	TOT \$	• 0	• 0	.0	.0	. 1	• 1	•	.1	.0	.0	.3		
	PCP		.0	. 1	• i	. 1	. 3	. 1	. 1	.0	.0	. 8		
2<5	NO PCP	• 0	.0	.0	. 1	. 1	• 1	. 1	. 1	.0	.0	. 5		
	TOT %		.0	.1	. 2	. 3	.5	. 1	.1	.0	.0	1.3		
	PCP	. 3	• 1	.2	.3	.7	1.7	4.0	1.7	.0	.0			
5<10	NO PCP	. 9	.6	.7	1.7	3.3	6.0	6.5	3.4	.0	.3	23.4		
	TOT %	1.2	.7	. 9	2.0	4.1	7.7	10.5	5.1	.0	. 3	32.5		
	PCP	.0	• 2	. 2	.1	.5	.9	1.1	. 3	.0	.0			
10+	NO PCP	2.5	2.2	4.8	7.2	10.0	14.5	14.1	6.7	.0	. 5	62.5		
	TOT %	2.5	2.4	4.9	7.3	10.6	15.4	15.2	7.0	.0	. 5	65.7		
	TOT OBS												1750	
	TOT PCT	3.8	3.1	5.9	0 .	15.0	22 7	24 0	12.4	.0		100.0		

TABLE 9

(NM) <1/2	KTS		NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
<1/2													DBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 1	.1	
1/2<1	4-10	*	.0	.0	.0	.0	.0	.0		.0		. 1	
	11-21	.0	.0	.0	.0	.0	.0	. 1	.0	.0		. 1	
	22+	.0	.0	.0	.0	.0	.0	.1	.0	.0		. 1	
	TOT %	*	• 0	.0	.0	.0	.0	. 1	•	.0	. 1	. 2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	. 1	.0	.0	.0	.0		. 1	
	11-21	.0	.0	.0	.0	.0	. 1		. 1	.0		. 2	
	22+	.0	• 0	.0	.0	.0	.0	.0	. 1	.0		. 1	
	TOT %	.0	• 0	.0	.0	. 1	. 1		. 1	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10		.0	. 1	. 2		. 1	.0		.0		. 4	
	11-21	.0	.0	.0	.0	.2	. 2	. 1	. 1	.0		.5	
	22+	.0	.0	.0	*	. 1	. 2	.0	. 1	.0		. 3	
	TOT %	•	• 0	. 1	. 2	.3	. 4	. 1	- 1	.0	.0	1.2	
	0-3			.0	.3	. 2	.2	.1	.0	.0	.3	1.1	
5<10	4-10	. 5	. 3	. 5	.6	1.7	2.0	1.5	1.0	.0		8.2	
	11-21	. 3	. 3	. 3	. 7	1.2	3.0	3,8	1.7	.0		11.3	
	22+	. 2	. 1	.0	. 2	.6	1.9	4.2	1.9	.0		9.1	
	TOT %	1.1	.6	.9	1.8	3.8	7.0	9.6	4.7	.0	.3	29.8	
	0-3	. 2	.3	.3	. 1	.5	. 3	. 2	. 2	.0	.7	2.9	
10+	4-10	1.5	1.5	2.4	3.2	5.5	6.2	4.8	2.6	.0		27.7	
	11-21	. 9	. 8	2.2	3.6	4.0	5.9	6.9	3.1	.0		27.6	
	22+	.3	• 1	. 3	.6	1.5	3.3	3.3	1.2	.0	_	10.5	
	TOT \$	2.9	2.7	5.2	7.5	11.5	15.7	15.2	7.1	.0	.7	68.6	
	OT DAS	4.1	3.3	6.1	9.5	15.6	23.2	25.0	12.1	.0		100.0	1925

SEPTEMBER

PERIOD: (PRIMARY) 1912-1970 (DVER-ALL) 1855-1970

TABLE 10

AREA 0017 CAPE LEEUWIN 33.95 114.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND DCCURPENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1999	2000 3499	3500 4999		6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.0	.6	1.0	7.3	19.7	13.4	3.8	2.9	. 3	.6	49.7	50.3	314
06609	.0	.6	1.0	7.4	20.0	11.6	3.2	1.6	.0	.0	45.5	54.5	310
12615	.4	.0	.7	7.8	22.4	10.3	3.9	1.4	.4	.4	47.7	52.3	281
18821	.0	.0	.4	10.0	21.5	10.4	4.4	.7	.0	.4	47.8	52.2	270
TOT	1	4	9	95	245	135	45	20	2	4	560	615	1175

TABLE 11

TARLE !

											1 40 5 5	**		
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5< 10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00803	.0	.4	• 0	2.3	29.6	67.7	564	60300	.0	1.7	11.3	40.9	47.8	301
06609	.0	• 2	.4	. 4	28.4	70.4	450	00809	.0	1.7	10.1	37.4	52.5	297
12815	.0	•0	.4	.6	34.4	64.7	544	12615	.4	1.1	10.4	39.5	50.0	268
18821	.0	• 2	• 2	1.2	29.3	69.1	417	18821	.0	.4	12.0	37.5	50.6	259
TOT PCT	.0	.2	.3	23	604 30.6	1339	1975	TOT PCT	.1	1.2		437 38.8	565 50.2	1125

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ

70/74 .0 .0 .0 .0 .1 .1 .1 .2 .0 7 .5
65/69 .0 .0 .0 .5 1.2 1.4 .6 .4 56 4.0
60/64 .0 .0 .2 2.5 8.2 11.9 6.2 1.4 424 30.4
55/59 .0 .0 .1 3.7 14.0 17.7 15.2 3.9 764 54.7
55/59 .0 .0 .0 .1 3.7 14.0 17.7 15.2 3.9 764 54.7
55/59 .0 .0 .0 .0 .0 .3 .2 1.2 1.4 .0 .0 3 .2
10714 .0 .0 .0 .0 .0 .1 .1 .0 .0 3 .2
10714 .0 .0 .0 .0 .0 .1 .1 .0 .0 3 .2
10714 .0 .0 .0 .4 7.8 26.8 33.2 25.1 6.8

TABLE 1

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N NE E SE S SW W NW VAR CALM

2 .1 .0 .1 .1 .0 .0 .* .0 .0

3 .1 .8 .4 .3 .7 .8 .7 .0 .0

16 1.2 2.0 2.2 3.5 4.5 9.3 5.6 .0 .5

1.5 1.5 2.9 5.4 8.0 15.6 13.5 5.7 .0 .5

1.0 .0 .5 1.2 2.6 3.7 2.0 .2 .0 .0

3.6 3.0 6.1 9.2 14.4 24.7 25.6 12.1 .0 1.0

TARLE 15

MEANS, extremes AND PERCENTILES OF TEMP (DEG F) BY HOUR

HAX 99% 95% 50% 5% 1% MIN MEAN TOTAL

3 73 69 65 58 53 51 50 58.8 758

9 74 69 67 60 55 52 49 60.1 544

5 73 67 64 58 53 50 49 58.3 691

1 68 65 63 57 52 69 49 58.3 691

1 68 65 65 58 53 51 49 58.0 2509

TABLE 16
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL OBS 00509 .0 8.4 22.0 34.2 27.3 8.1 75 395 00509 .0 12.6 35.5 29.0 18.5 4.4 71 341 12615 .0 6.7 27.4 37.4 23.1 5.4 74 372 186.21 .0 4.7 22.3 31.1 32.7 9.1 76 318 TOT 0 116 381 472 361 96 74 1426

SEPTEMBER

PERIOD: (PRIMARY) 1912-1970 (DVER-ALL) 1855-1970

TABLE 17

AREA 0017 CAPE LEEUWIN 33.95 114.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	49	53	57	61	65	69	73	TOT	W	WD
TMP DIF	52	56	60	64	6.8	72	76		FDG	FDG
9/10	.0	. 0	.0	.0	.1	.1	.0	2	.0	.1
7/8	.0	.0	.1	. 1	. 1	.0	.0	3	.0	. 2
		.0	.0	.0	. 3	. 1		5	.0	. 3
6	.0	.0	. 3	.0	. 1	. 1	.0	10	.0	. 6
4	.0	.0	.1	. 1	. 4	. 1	.0	10	.0	.6
3	.0	. 1	. 2	. 6	. 6	. 1	.0	25	.0	1.6
2	.0	. 1	.0 .3 .1 .2 1.0	1.1	. 8	. 1	.0	48	.0	3.0
1	. 0	.1	1.5	1.9	1.0	.0	.0	71	.0	4.5
Ô	. 0	. 1	2.5	2.4	. 8	.0	. 1	92	.0	5.8
-1	. 1	1.0	3.9	3.7	1.0	.0	.0	149	. 1	9.4
-2	.0	1.2	4.4	2.8	. 2	. 1	. 1	137	.0	8.7
-3	- 1	2.1	6.6	3.5	. 2	.0	.0	137	. 1	8.7
2 1 0 -1 -2 -3	.1	3.0	7.5	2.4	.0	.1 .1 .1 .0 .0 .0 .1 .0 .0	.0	207	. 1	13.1
-5		2.3	6.8	1.3	.0	. 1	.0	169	.0	10.7
-6	. 1	3.3	5.6	. 4	.0	.0	.0	149	.0	9.4
-7/-8	.1	5.4	4.8	.4	.0	.0	.0	172	.0	10.9
-9/-10	. 4	3.2	1.4	. 1	.0	.0	.0	80	.0	5.1
-11/-13	. 8	1.8	1.4	.0	.0	.0	.0	46	.0	2.9
-14/-16	.8	. 1	.0	.0	83	.0	.0	5	.0	1575
TOTAL	37		738		83		.0		3	1575
		378		329		11		1578		
PCT	2.3		46.8	20.8	5.3	.7	. 1	100.0	. 2	99.8

PERIOD: (DVER-ALL) 1963-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	. 3	.0	.0	.0	.0	. 4	.2	. 5	.0	.0	.0	.0	.7
1-2	.0	. 4	.0	.0	.0	.0	. 4	. 2	. 7	. 1	.0	.0	.0	.9
3-4	. 1	.3	.1	.0	.0	.0	. 5	.0	. 3	. 3	.0	.0	.0	.7
5-6	.0	. 2	. 2	.0	.0	.0	. 3	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	. 2	.0	.0	.0	. 2	.0	.0	.0	.0	.0	.0	.0
8-9	. 0	.0	.0	.0	.0	.0	.0	.0	.0	,0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.1	.4	.0	.0	.0	1.8	.3	1.5	. 4	.0	.0	.0	2.2
101 741	.,	1.1	• • •		••		1.0			•				
				€				1-3	4-10	11-21	SE 22-33	34-47	44+	PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		.8		22-33			
<1	.0	. 4	.0	.0	• 0	.0	.4	.2		.0	.0	.0	.0	1.0
1-2	.0	2.0	. 4	.0	• 0	.0	2.4	. 2	2.1	. 8	.0	.0	.0	3.1
3-4	.0	1.2	1.1	. 2	.0	• 0	2.4	.0	1.3	2.3	•	.0	.0	3.6
5-6	.0	. 2	. 8	.0	.0	.0	. 9	.0	.3	2.3	.0	.0	.0	2.7
7	.0	.0	. 1	.0	.0	.0	.1			.7	. 5	.0		
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.0	.3	•	.0	.0	.3
10-11	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	• 0	.0	.0		.0	. 2	.0	.0	.0
13-16	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PET	.0	3.8	2,3	.3	.0	.0	6.4	.3	4.6	6.3	.7	.0	.0	11.9

0	Ä	r.	E	ī	1	3

PERIOD	i (DV	ER-ALL)	194	9-1970					TABLE	19											
					PERCEN	TFRE	PUENCY	OF WAY	E HE1	HT (F) VS	WAVE P	ERIDO	SECON	051						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.4	3.5	4.6	2.8	1.1	. 8	.0	. 1	. 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	134	4
6-7	.0	.2	2.0	4.8	5.3	2.3	1.6		. 3	:4	.0	.4	.0	.0	.0	.00	.0	.0	.0		7
8-9	.0	.0	1.0	3.0	5.9	4.9	3.2	2.7	3.2	. 4	. 1	.0	.0	.0	.0	.0	.0	.0	.0	163	9
10-11	.0	.3	. 3	1.4	3.2	3.7	2.8	2.1	3.5	.4	.5	.0	.1	.0	.0	.0	.0	.0	.0	169	10
12-13	.0	.0	. 1	.9	. 8	1.6	1.3	2.1	2.4	. 1	. 2	. 2	.4	.0	.0	.0	.0	.0	.0	93	11
>13	.0	.0	.0	. 3	. 5	. 9	1.1	. 3	. 9	.0	.1	.1	.4	.0	.0	.0	.0	.0	.0	43	12
INDET	.7	.7	. 9	1.3	2.6	1.0	.9	. 5	. 9	. 2	.1	.0	.0	.0	.0	.0	.0	.0	.0	89	7
TOTAL	19	43	81	133	177	139	100	78	105	13	10	7	9	0	0	0	0	0	0	914	8
PCT	2.1	4.7	8.9	14.6	19.4	15.2	10.9	8.5	11.5	1.4	1.1	. 8	1.0	.0	.0	.0	.0	.0	.0	100.0	

	WIND	SPEED	(KT5)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.0	4.7		.0	.0	.0	6.7	DBS
1-2			.0	.0	.0	.0		
	. 8	17.1	6.5				24.4	
3-4	.2	11.7	15.9	1.7	.0	.0	29.4	
5-6	.0	2.3	15.3	3.6	.5	.0	21.7	
7	.0	. 3	5.0	3.8	.5	.0	9.6	
8-9	.0	.0	1.2	2.6	. 8	.0	4.6	
10-11	.0	.0	.0	1.4	.0	.0	1.4	
12	.0	. 2	.0	.6	.0	.0	. 8	
13-16	.0	.0	.0	.5	.5	.0	. 9	
17-19	.0	.0	.0	.0	. 2	.0	. 2	
20-22	.0	.0	.0	.0	.2	. 2	.3	
23-25	.0	.0	.2	.0	.0	.0	.2	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0		.0	.0	.0	.0	
49-60			.0	.0	.0	.0		
	.0	.0	.0				.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								659
TOT DAT			22. 6	14 1	2 4	2	100 0	

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.0	4.7	.0	.0	.0	.0	6.7	003
1-2	.8	17.1	6.5	.0	.0	.0	24.4	
3-4	.2	11.7	15.9	1.7	.0	.0	29.4	
5-6	.0	2.3	15.3	3.6	.5	.0	21.7	
7	.0	. 3	5.0	3.8	.5	.0	9.6	
8-9	.0	.0	1.2	2.6	. 8	.0	4.6	
10-11	.0	.0	.0	1.4	.0	.0	1.4	
12	.0	. 2	.0	.6	.0	.0	. 8	
13-16	.0	.0	.0	.5	.5	.0	.9	
17-19	.0	.0	.0	.0	. 2	.0	. 2	
20-22	.0	.0	.0	.0	. 2	. 2	. 3	
23-25	.0	.0	. 2	.0	.0	.0	.2	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								659

PERIOD:	CONTER		1963-1	070													
PERTUU.	LOVE	-4667	1403-1	770				TABLE	18	(CONT)				AREA	33.9	95 114	
				0,	T F010	OF WIND						VEDELLE		HTC / ET			
					I FREG	UF WIND	SPEED	(K15)	AND	DIKEC	ITUN	4EK202	SEA HEIG	H15 (F)	1		
				5									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10			34-47	48+	PCT	
<1	. 3	1.2	.0	.0	.0	.0	1.5				. 7			.0	.0	. 8	
1-2	. 3	3.7	1.0	.0	.0	.0	5.0				4.5	1.6		.0	.0	6.1	
3-4	.0	1.7	4.1	. 2	.0	.0	6.0			.0	3.2			.0	.0	6.7	
5-6	.0	. 7	1.6	.0	.0	.0	2.3			.0	. 5	3.3	. 8	. 2	.0	4.7	
7	.0	.0	. 7	. 4	.0	.0	1.1			.0	.0			.5	.0	3.1	
8-9	.0	.0	. 2	. 5	.0	.0	.6			.0	.0			. 5	.0	1.3	
10-11	.0	.0	.0	.1	.0	.0	.1			.0	.0			.0	.0	. 2	
12	.0	.0	.0	.2	.0	.0	. 2			.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.2	. 2	.0	.4	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.6	7.2	7.7	1.3	• 0	•0	16.8			• 1	8.9	9.8	3.1	1.3	.0	23.2	
				.,													
HGT	1.2			22-33	14-47					1-3	4-10	11 21	22 NW				TOTAL
<1	1-3	4-10	11-21			48+	PCT			.0	.2		22-33	34-47	48+	PCT	PCT
1-2	• 1	.4	2.2	.0	.0	•0	. 5			.0	.9	.0		.0	.0	. 2	
3-4	.1	2.8	3.9	.0	.0	•0	5.1				1.0	.6		.0	.0	1.5	
5-6	.0	2.9	5.1	2.5		.0	7.6			.0	1.0	2.2		.0	.0	2.2	
7					.2		8.1				.0			. 1	.0	2.9	
8-9	.0	.3	1.1	1.1	.0	.0	2.5			.0	.0		. 8	.0	.0	1.5	
10-11	.0	.0	.6	1.1	.0	.0	1.7			.0	.0			. 3	.0	.5	
12	.0	.0	.0	.3	.0	.0	.7			.0	.0			.0	.0	.4	
13-16	.0	.0	.0	.3	.1	• 0	.5			.0	.0			.0	.0	.0	
17-19	.0					.0	.4				.0			. 2	.0	.2	
20-22		.0	.0	.0	. 2	.0	. 2			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	• 1	• 0	.1			.0				•	.2	.2	
	.0	.0	. 2	.0	.0	• 0	. 2			.0	.0			.0	.0	.0	
26-32 33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
	.0	.0	.0	.0	• 0	.0	.0							.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	6.7	.0	• 0	27.6			.0	2.2			.0	.0	9.5	99.5
TOT PCT	. 2	7.0	13.0		.6	.0											

PERIOD: (PRIMARY) 1910-1971 (OVER-ALL) 1854-1971

TABLE 1

AREA 0017 CAPE LEEUWIN 33.85 114.5E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

					Encell	. KENO	E .C. L	nem							
			ρ	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N ZE E S S W W W	1.5 3.4 2.3 .9 1.6 1.1 4.0 7.5	5.6 1.1 1.9 1.4 5.0 11.5 11.1	1.5 .6 1.1 1.3 1.8 .6 1.7	.0	.0	.0	.0	8.6 5.0 5.3 3.6 8.7 13.6 16.9 21.7	.0 .0 .5 2.8 2.4	.0 1.4 1.3 1.4 .8	2.2	.000000000	.0 .0 1.1 .1 .4	.0	91.4 92.4 92.2 94.3 86.9 83.5 78.1 76.4
VAR CALM TOT PCT	.0	.0 .0	.0	.0	.0	.0	.0	11.7	12.5	.0	.0	.0	.0	.0	87.5 85.0
TOT DES:	2309	, . 0	,	.0	.0	.0	.,			•			• • •		

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNDW	
00603	4.1	8.3	1.3	.0	.0	.0	.0	13.6	1.7	.0	.4	.0	.3	.0	83.9
90330	1.4	7.8	1.2	.0	.0	.0	. 2	10.5	2.1	.0	.0	.0	.6	.0	86.7
12815	1.7	8.1	1.2	.0	.0	.0	. 2	11.2	1.7	1.6	.6	.0	. 2	. 2	85.3
18821	2.7	6.1	1.5	• 0	.0	.0	. 2	10.5	3.3	1.1	.6	.0	. 2	. 2	84.5
TOT PCT	2.5	7.6	1.3	•0	•0	.0	•1	11.6	2.2	.7	.4	.0	.3	.1	85.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	TS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.2	1.3	.9	.2	.0			2.7	11.2	3.6	2.7	1.8	2.2	2.0	4.5	1.4	3.2
NE	. 3	2.1	1.4	. 2	.0			4.0	10.5	6.1	4.6	3.1	2.1	1.9	4.5	3.2	6.5
E	. 2	2.8	3.5	. 5	. 1	.0		7.2	12.8	7.4	8.1	8.6	5.0	5.9	7.7	8.5	5.2
ŠE	. 5	4.3	5.4	1.5		.0		11.7	13.3	10.8	11.3	10.1	12.9	12.4	11.2	14.1	11.2
Š	1.0	7.3	8.0	2.4	. 4	. 1		19.2	13.8	17.8	15.3	22.2	13.2	21.7	20.8	22.8	18.5
SW	1.3	7.6	8.6	4.3	1.3	.2		23.3	15.8	23.2	21.6	21.5	28.3	26.5	21.4	18.5	23.8
W	. 8	5.5	8.3	5.2	1.5	. 1		21.4	17.4	18.9	23.8	23.9	24.7	21.1	19.9	21.2	19.5
NW	. 2	2.8	3.8		. 5			9.5	16.9	11.1	10.8	8.2	10.3	7.7	7.9	9.7	10.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5
CALM TOT DES	1.1	1142	1348	555	132	15	3381	1.1	14.9	1.1	392	409	291	661	2.2	365	326
TOT PCT				16.4		. 4		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TA	a	1	-	Δ	

		WIND	SPEED	(KNOTS)							(GMT	
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						OBS	FREQ	SPD	03	09	15	21
N	.8	1.4	. 4	.1			2.7	11.2	3.3	2.0	2.7	2.3
NE	1.2	2.1	.6	. 1			4.0	10.5	5.6	2.6	2.7	4.8
E	1.1	4.0	2.0	. 1	.0		7.2	12.8	7.7	7.1	6.4	7.4
SE	1.8	6.0	3.5	. 4	.0		11.7	13.3	11.0	11.3	12.0	12.7
5	3.5	9.2	5.2	1.1	. 2		19.2	13.8	16.8	18.5	21.4	20.5
SW	4.2	9.3	6.6	2.7	. 5		23.3	15.8	22.6	24.3	25.0	21.0
¥	2.5	8.6	6.3	3.6	. 5		21.4	17.4	20.7	24.2	20.8	20.4
NW	1.3	3.8	2.9	1.5			9.5	16.9	11.0	9.1	7.8	10.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.1						1.1	.0	1.3	1.0	1.2	.6
TOT DAS	589	1495	927	322	48	3381		14.9	1052	700	940	689
TOT PCT	17.4	44.2	27.4	9.5	1.4		100.0			100.0	100.0	

-	-	-	•	_	

								DCTOBER					
PERIOD: (PR	IMARY) ER-ALL)	1910-197 1854-197						TABLE 4				AREA	LEEUWIN 114.5E
				PER	CENTAGE	FREQUE	NCY OF	WIND SP	EED BY	HOUR	(GMT)		
		HOUR	CALM	1-3	4-10			(KNOTS) 34-47	48+	MEAN	PCT' FREQ	TOTAL	
		00603 06609 12615 18621	1.3	5.6 4.1 4.3 3.6	32.7 30.7 36.2 35.3	39.9 43.7 36.2 40.9	15.5 15.6 17.7 17.0	3.8	.4	15.2	100.0 100.0 100.0	1052 700 940 689	
		PCT	36 1.1	153	1142 33.8	1348	555		15	14.9		3381	

			1	ABLE 5								TA	BLE 6					
P	CT FRE			CLOUD A		EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	CLOUD	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	.0	.5	1.1	.2		4.4	.0	.0	.0	.1	.1	.2	. 2	. 1	.0	.0	1.7	
NE	1.0	. 5	1.5	. 5		4.4	.0	.0	.0	. 1	. 3	. 4	. 3	. 2	.0	.0	2.3	
Ε	3.6	1.2	2.6	. 8		3.5	.0	.0	.0	. 1	. 8	.6	. 5	. 1	.0	.0	5.9	
SE	3.2	2.1	4.9	2.1		4.6	.0	.0	. 1	. 8	2.1	1.5	. 8	. 3	.0	.0	6.7	
S	4.4	4.4	9.2	4.2		4.9	.0	.0	. 5	2.4	4.9	2.8	. 9	. 3	. 1	.0	10.3	
SW	2.9	4.4	10.7	4.1		5.3	.0	. 1	. 3	2.8	4.2	3.0	1.4	1.1	. 2	.0	9.1	
W	1.9	4.4	10.0	3.7		5.4	.0	. 1	. 1	2.4	3.7	1.8	2.4	. 7	.1	.1	8.6	
NW	. 9	1.5	3.8	2.5		5.8	.0	.0	. 1	.6	1.7	1.0	. 9	. 3		.0	4.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	
CALM	.0	.3	. 1	.1		5.2	.0	.0	.1	.0	.0	.0		.0	.0	.0	.3	
TOT OBS	223	230	526	219	1198	5.0	.0	2	14	112	213	138	89	37		• 0	587	1198
TOT PCT	18.0	19.2	43.9	18.3	100.0	- • •	.0	.2	1.2	9.3	17.8	11.5	7.4	3.1	.4	.1	49.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NE	1)			
CEIL	ING . DR	• UR	- DR	= DR	= OR	■ 7R	- DR	. DR
(FEF	T) >10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• OR >6	500 .4	.4	.5	.5	.5	.5	.5	.5
. OR >5	000 2.9	3.5	3.6	3.6	3.6	3.6	3.6	3.6
• OR >3	500 9.3	10.9	11.0	11.0	11.0	11.0	11.0	11.0
. OR >2	000 19.5	22.2	22.5	22.5	22.5	22.5	22.5	22.5
• OR >1	000 33.8	39.5	40.1	40.4	40.5	40.5	40.5	40.5
■ DR >6	00 40.0	47.9	49.5	49.8	49.8	49.8	49.8	49.8
■ OR >3	00 40.5	49.0	50.7	50.9	51.0	51.0	51.0	51.0
• DR >1		49.1	50.8	51.1	51.2	51.2	51.2	51.2
- OR >	0 40.5	49.1	50.8	51.1	51.2	51.2	51.2	51.2
TO	TAL 493	597	618	621	622	622	622	622

TOTAL NUMBER OF DBS: 1216 PCT FREQ NH <5/81 48.8

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD TOTAL OBS.
8.3 8.9 9.1 10.1 11.4 9.2 14.0 13.8 15.1 .0 1347

	+			

PERIOD:	(PRIMARY)	1910-1971
	(DVER-ALL)	1854-1971

TABLE 8

AREA 0017 CAPE LEEUWIN 33.85 114.5E

		P	ERCENT	FREO	OF WIN	D DIRE	CTION TH VAR	VS DCC	URRENC ALUES	E OR N	IBILI	CURRENC	E DF
VSBY (NM)		N	NE	ε	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	003
<1/2	NO PCP	•0		.0	.0			.0	.0	.0	.0	.1	
	TOT \$.0	•	.0	.0			.0	.0	.0	.0	.1	
	PCP	.0	.0	.0		.2	. 1	. 1	.0	.0	.0	.4	
1/2<1		.0		.0	.0	. 1	.2	. 1		.0	.0	.4	
	TOT %	.0		.0		.3	.2	. 2		.0	.0	.9	
	PCP	.0	.0	.0	.0	.0		.1		.0	.0	.2	
1<2	NO PCP	.0	.0		.0	.1		.1	*	.0	.0	. 3	
	TOT %	• 0	• 0		.0	. 1	• 1	. 2	. 1	.0	.0	.4	
	PCP					.1	• 1	.2	.1	.0	.0	.6	
2<5	NO PCP	.0	*	.0	. 1	. 1	. 2	. 2	. 1	.0	.0	. 8	
	TOT %	*	• 1		. 1	.2	. 3	.4	. 2	.0	.0	1.4	
	PCP	.2	.2	.2	.3	.9	2.4	2.5	1.5	.0	.0	8.1	
5<10	NO PCP	1 . 4	1.4	2.3	4.0	5.8	8.5	6.5	2.5	.0		32.5	
	TOT %	1.6	1.5	2.5	4.3	6.7	10.9	8.9	4.0	.0		40.5	
	PCP	• 1		. 1	. 1	.5	.7	. 5	. 4	.0	.0	2.4	
10+	NO PCP	1.2	2.2	4.8	7.6	12.1	11.6	9.8	4.7	.0	.3	54.3	
	TOT \$	1.3	2 . 2	4.9	7.6	12.6	12.3	10.4	5.1	.0	.3	56.7	
	TOT OBS												2308
	TOT PCT	2.9	3.9	7.5	12.0	20.0	23.8	20.1	9.4	.0	.3	100.0	

TABLE 9

(NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	063
<1/2	4-10	.0		.0	.0	.0	.0	.0	.0	.0	••		
	11-21	.0	.0	.0	.0			.0	.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	*	.0	.0	*	*	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0		.0	.0	. 1	.0		.0	.0		. 2	
	11-21	.0	.0	.0	.0	. 1	. 1	. 1		.0		.4	
	22+	.0	.0	.0		. 1	. 1	:1	.0	.0		.3	
	TOT \$.0		.0		.3	. 2	. 2	•	.0	.0	. 8	
	0-3	.0	.0	.0	.0	.0	.0		.0	.0	.0		
1<2	4-10	.0	• 0	.0	.0	. 1		. 1		.0		.2	
	11-21	.0	.0	*		*	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0		. 1		.0		.2	
	TOT %	.0	•0			. 1	.1	. 2	.1	.0	.0	.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	*	.0	. 1		*	.0	.0	.0		.2	
	11-21	.0	*		*	. 1	*	. 1	. 1	.0		.4	
	22+ TOT %	:	• 0	.0	.0	. 1	. 2	.3	. 2	.0		. 9	
	101 %	•	• 1	•	.1	. 2	.3	. 5	.3	.0	.0	1.5	
	0-3	. 2	.1		. 1	. 3	. 3	. 2	.1	.0		1.3	
5<10	4-10	. 8	• 7	1.1	1.7	2.2	3.1	2.0	1.1	.0		12.8	
	11-21	.4	. 5	1.1	1.6	2.5	4.0	3.6	1.6	.0		15.3	
	22+		• 1	. 1	.5	1.1	2.7	2.6	1.1	.0		8.2	
	TOT %	1.4	1 • 4	2.4	3.9	6.1	10.0	8.4	3.8	.0	•	37.6	
	0-3	. 1	•1	.1	. 3	.6	.7	.4		.0	.5	2.8	
10+	4-10	.6	1.1	1.8	2.7	5.6	4.9	3.1	1.9	.0		21.7	
	11-21	.5	1.0	2.6	3.6	5.4	5.4	4.0	2.2	.0		25.3	
	22+	. 2	• 1	. 4	1.0	1.3	2.3	3.1	1.2	.0		9.7	
	TOT %	1.4	2.2	5.0	7.7	12.9	13.2	11.3	5.3	.0	. 5	59.6	
1	OT DAS												2545

DCTOBER

PERIOD: (PRIMARY) 1910-1971 (OVER-ALL) 1854-1971

TABLE 10

AREA 0017 CAPE LEEUWIN 33.85 114.5E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	.6	2.0	11.1	21.1	11.1	9.1	3.5	1.2	.0	59.6	40.4	342
90330	.0	.0	.6	8.3	14.7	11.0	7.4	2.1	.0	.0	44.2	55.8	326
12615	.0	.0	.7	9.8	13.5	10.1	4.7	3.4	. 3	.3	42.8	57.2	297
18821	.0	.0	1.0	6.6	19.3	12.0	7.0	3.0	.0	.0	48.8	51.2	301
TOT	0	2	14	114	218	140	90	38	5	1	622	50.9	1266

TABLE 11

TABLE 12

		PEPCENT	FREQUEN	CY VSB	Y (NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	.8	. 8	2.2	36.5	59.7	764	60300	.0	2.8	16.8	45.9	37.3	327
90360	.0	.5	.7	.4	33.8	64.6	560	06809	.0	. 9	9.8	35.8	54.4	316
12615	.0	1.1	.3	1.8	45.5	51.3	718	12615	.0	.7	12.2	32.5	55.2	288
18621	.4	.7	. 4	.9	35.3	62.4	564	18821	.0	1.1	8.4	43.2	48.4	285
TOT	2	21	14	37	994	1538	2606	TOT	0	17	145	480	591	1216

TABLE 14

						•										L 14				
	PERCE	ENT FR	EQUENC	Y DF R	LATIV	HUMI	DITY B	Y TEMP	****	PCT		PERC	ENT FR	EQUEN	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
75/79	.0	.0	. 1	. 1	.2	. 3	. 1	. 1	15	.9	.1	.0	.0	.1	. 3	. 2	. 1	.0	.0	.0
70/74	.0	.0	. 1	. 1	. 5	.9	. 9	. 7	53	3.1		. 3	.0	. 3	1.3	1.1	. 1	. 1	.0	.1
65/69	.0	.0	. 1	. 4	1.5	2.8	3.0	1.1	150	8.9	. 5	. 5	1.3	. 9	2.0	1.2	1.4	1.0	.0	. 1
60/64	.0	.0	. 5	2.2	7.4	14.2	12.8	3.7	687	40.8	1.1	1.4	3.5	5.9	6.4	8.6	8.9	4.6	.0	. 3
55/59	.0	.0	.4	3.3	10.1	12.3	9.8	2.8	652	38.7	.6	1.0	2.2	4.3	8.9	9.8	9.1	2.8	.0	.0
50/54	.0	.0	. 1	.7	2.0	2.1	2.3	. 5	127	7.5	. 1		. 3	. 3	2.6	3.2	. 8	. 3	.0	.0
45/49	.0	.0	.0	.0	.0	.0	. 1	.0	1	. 1	.0	.0	.0	.0	.0	. 1	.0	.0	.0	.0
TOTAL	0	0	18	114	366	551	486		1685	100.0										
PCT	.0	.0	1.1	6.8	21.7	32.7	28.8	8.9			2.4	3.2	7.4	11.8	21.6	24.1	20.4	8.7	.0	.4

TARLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

							-		
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
F0300	77	74	58	60	54	5 1 5 2	46 50	60.2	1025
12615	77	74	58	59	54	51	49	59.8	943
18621	73	67	55	58	53	51	49	58.5	704
TOT	77	72	67	60	54	51	46	49.0	3250

TABLE 16

| PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR | HOUR | COMIT | COMI

PERIOD: (PRIMARY) 1910-1971 (OVER-ALL) 1854-1971

TABLE 17

AREA 0017 CAPE LEEUWIN 33.85 114.5E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION)
VS AIR-SFA TEMPERATURE DIFFERENCE (DEG F)

			14-21-		-	-						
AIR-SEA	45	49	53	57	61	65	69	73	TOT	W	WO	
TMP DIF	48	52	56	60	64	68	72	76		FOG	FOG	
11/13	.0	.0	.0	.0	.0	.0	.1 .1		3	.0	.1.	
7/8	. 0	.0	.0	.0	.0	.0	. 1	. 1	5	.0	. 2	
6	.0	.0	.0		. 1	. 1	. 1	.0	3 5 9 25 35	.0	1.2	
5		.0	.0	.0	. 2	.6	.4	.0	25	.0	1.2	
	. 0	.0	.0	.1	.6	.8	. 2		35	.0	1.7	
2	.0	.0	. 1	.5	1.1	. 9	. 2	.0	58	.0	2.9	
4 3 2 1 0 -1 -2	.0	.0	.1	.5	1.3	1.4	.1	.0	58 77		1.7 2.9 3.8	
1	. 0	.0	. 1	.5	2.6	1.5	:	.0	97	. 1	4.7	
ń	. 0	.0	. 4	2.1	4.4	. 9	*		161		8.0	
-1	.0	.0	. 4	3.5	5.2	.9	*	.0	202		10.0	
- 2	. 0	.0	. 8	4.1	4.5	. 4		.0	200		9.9	
-3	0000000000	.1	. 9	5.8	5.3	.9	.00	.0	247	.0	12.3	
-4	.0	٠.	1.8	6.5	3.3	.1	.0	.0	235	.0	11.7 9.9 7.5 9.4 3.7	
-5	.0	.2	2.1	6.1	1.3	.1	*	.0	200		9.9	
-6	.0	. 3	2.4	4.4	. 3	.0		.0	151	.0	7.5	
-7/-8	.0	.3	4.1	4.5	. 4	.0	.0	.0	188	.0	9.4	
-9/-10	.0	. 5	2.5	.6	.0	*	.0	.0	74	.0	3.7	
-11/-13	.0	. 5	1.1	*	.0	.0	.0	.0	33	.0	1.6	
-14/-16		. 2	*	.0	.0	.0	.0	.0	6	.0	. 3	
TOTAL	1	-	346		619		32			8	1998	
		46		792		160		10	2006			
PCT		2.3	17.2	39.5	30.9	8.0	1.6	. 5	100.0	. 4	99.6	

PERIOD: (DVER-ALL) 1963-1971

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 34-47 11-21 .0 .1 .4 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 22-33 1-3 11-21 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 20-22 23-25 26-32 33-40 41-84 49-60 61-70 71-86 87+ TUT PC1 1-3 SE 22-33 ... 0 ... 48+ 34-47 48+ HGT <1 1~2 3-4 5-6 7 8-9 10~11 12 13~16 17~16 1 1~3 1-3 27-33

									DCTD	BER							
PERIOD:	COVE	R-ALL)	1963-1	971										AREA	0017		
								TABLE	18 (CONT					33.	85 114	.5E
				0.0	T 5850	00 11110		14751	4410	01000	TYON	VEDEUE		HTS (FT	,		
				PC	I FREU	UF WIND	SPEED	(K12)	AND	DIKEC	LIUN	VEK202	SEA HEIL	H12 (F)	,		
				S									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	. 3	1.1	.0	.0	.0	.0	1.3			. 5	. 8	.0	.0	.0	.0	1.2	
1-2	.0	5.4	.6	.0	.0	.0	6.0			. 1	3.8	1.5	.0	.0	.0	5.4	
3-4	.0	3.3	3.6	.7	.0	.0	7.6			. 1	2.5	2.6	.1	.0	.0	5.3	
5-6	.0	.3	2.0	. 5	• 1	.0	2.9			.0	.3	2.8	1.0		.0	4.2	
7	.1	. 1	1.3	.9	.0	.0	2.5			*	.1	1.2	. 8	. 1	.0	2.3	
8-9	.0	.0	. 3	. 5	. 1	.0	. 9			.0	.0	. 1	. 5	. 2	.0	. 8	
10-11	.0	.0	. 1	.7	. 1	.0	1.0			.0	.0	. 5	.5	. 1	.0	1.2	
12	.0	.0	.0	.4	.0	.0	. 4			.0	.0	.0	. 2	. 1	.0	. 3	
13-16	.0	.0	.0	.4	.0	.0	.4			.0	.0		. 2	. 1	.0	. 4	
17-19	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.4	.1	.0	.6	
20-22	.0	.0	.0	.0	. 3	.0	.3			.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	. 0	.0	.0	
26-32	.0	.0	.0	. 1	.0	.0	. 1			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	. 4	10.2	7.9	4.2	.7	.0	23.4			. 8	7.5	8.6	3.8	. 9	.0	21.5	
				W									F10.0				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.3	4-10	.0	.0	.0	•0	.7			.1	4-10	.0	.0	.0	.0	.3	PC I
1-2		1.9		.0	.0					.1	1.2	.5			.0	1.8	
3-4	.0		3.2	. 4	.0	•0	4.7			.0	.7		.0	.0	.0	2.3	
5-6	.0	1.1	1.6	:4	.0	.0	2.2			.0	.3	1.6	.0	.0	.0	1.0	
7	.0	.1	1.3	1.7	.3	.0	3.5			.0	.0	.4	.6	.0	.0	1.0	
8-9	.0	.0	.8	.7	.3	.0	1.8			.0	.0	.4	.3	.0	.0	.7	
10-11	.0	.0	.5	1.0	.2	•0	1.7			.0	.0	.1	.1	.1	.0	.3	
12	.0	.0	.0	.1	. 4	.0	.5			.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.1	.4	.0	.0	.5			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.1	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.1	.0	.1	
23-25	.0	.0	.0	.1	.0	.0	.1			.0	.0	.0		.0	.0		
26-32	.0	.0	.0	.1	.0	.0	.1			.0	.0	.0		.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	,0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	. 3	3.7	7.9	5.0	1.1	.0	15.1			. 3	2.3	3.6	1.1	. 4	.0	7.6	99.6

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.3	3.6	.0	.0	.0	.0	6.0	083
1-2	.3	17.4	4.9	.0	.0	.0	22.6	
3-4	.1	11.2	15.2	1.6	.0	.0	28.2	
5-6	.0	1.9	12.0	2.9	.1	.0	17.0	
7	.1	.4	6.2	4.8	. 4	.0	12.0	
8-9	.0	.0	2.0	2.6	. 6	.0	5.2	
10-11	.0	.0	1.3	2.8	.7	.0	4.8	
12	.0	.0	.0	.9	.4	.0	1.3	
13-16	.0	.0	.1	1.0	.1	.0	1.3	
17-19	.0	.0	.0	.4	. 3	.0	. 7	
20-22	.0	.0	.0	.0	.4	.0	. 4	
23-25	.0	.0	.0	.1	.0	.0	. 1	
26-32	.0	.0	.0	.3	.0	.0	.3	
33-40			.0	.0	.0	.0	.0	
41-48	.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0		:0			
	.0	.0	.0	.0		.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
					2 2			689
TOT PCT	2.9	34.5	41.9	17.4	3.2	.0	100.0	

PERIOD: (QVER-ALL) 1949-1971 TABLE 19

PERCENT FREQUENCY OF WAVE HFIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33+40 61-48 49-60 61-70 71-86 87+ TOTAL MEAN HGT
(SEC)

66 .2 3.6 5.6 3.8 2.5 .8 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .772 4
6-7 .0 .0 3.6 6.3 5.6 3.5 3.2 1.1 1.6 .3 .3 .1 .2 .0 .0 .0 .0 .0 .0 .0 .0 .258 8
8-9 .0 .0 .4 4.9 6.4 3.7 2.6 2.1 1.9 .9 .3 .2 2.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .258 8
10-11 .0 .0 .5 1.1 1.5 4.0 2.4 1.7 2.8 .7 .3 .2 2.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .154 10
212-13 .0 .0 .0 .2 .6 .6 .9 2.3 .9 2.0 4.4 .1 .0 .0 .0 .0 .0 .0 .0 .0 .154 10
213 .0 .0 .0 .0 .1 .2 .2 .3 .9 2.0 4.8 .3 .0 .2 .4 .0 .0 .0 .0 .0 .0 .0 .0 .2 .4
1MOFT .7 .8 1.0 .8 1.5 .7 .6 .2 .8 .3 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .2 .9 15
1MOFT .9 4.4 113 176 183 138 117 66 101 27 14 9 8 0 0 0 0 0 0 0 0 105.5

NOVEMBER

PERIOD: (PRIMARY) 1910-1969 (DVER-ALL) 1854-1969

TABLE 1

AREA 0017 CAPE LEEUWIN 33.95 114.5E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCFN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N	4.4	.0	.0	.0	.0	.0	.0	4.4	.0	5.5	.0	.0	.0	.0	92.3
NE	6.2	. 5	.0	.0	.0	.0	.0	6.7	2.1	.0	1.0	.0	.0	.0	90.2
E	3.2	1.5	1.1	.0	.0	.0	.0	5.8	. 5	1.3	1.0	.0	1.0	.0	90.4
E SE	1.5	. 5	1.8	.0	.0	.0	.0	3.7	1.1	1.7	1.6	.0	. 4	.0	91.7
S	. 8	2.1	1.3	.0	.0	.0	.0	4.2	. 5	.6	.3	.3	.3	.0	93.9
SW	1.9	6.6	1.6	.0	.0	.0	.0	9.9	1.6	1.1	. 3	.0	.0	.0	87.7
W	1.7	8.6	. 7	.0	.0	.0	.0	11.0	3.8	. 2	1.1	.0	. 7	.0	83.1
NW	2.1	4.4	.0	.0	.0	.0	.7	7.2	3.0	. 3	.3	.0	. 7	.0	88.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	16.7	•0	• 0	.0	.0	16.7	•0	• 0	.0	.0	.0	.0	83.3
TOT PCT	1.8	4.1	1.2	•0	• 0	•0	. 1	7.1	1.7	1.0	. 8	.1	.4	.0	89.2

TARLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DU BLWG SN	
00603 06609 12615 18621	1.7 1.2 2.5 1.6	4.8 2.9 4.9 3.2	1.1 2.1 .7	.0	.0	.0	.0	7.4 6.2 8.2 6.0	2.6 1.4 1.6	.2 .4 1.6 1.6	.7 .8 .9	.0	1.0 .4 .2	.0	89.1 90.1 87.7 90.8
TOT PCT TOT OBS:	1.8	4.0	1.2	.0	•0	.0	٠	7.0	1.7	.9	.8		.4	.0	89.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				ED (KN														
WND DIR	0-3			22-33		48+	TOTAL	PCT	MEAN	00	03	06	09	(GMT)	15	18	21	
N NE	.1	1.0	.8	•1	.0	.0		2.0	11.1	2.6	2.9	1.5	2.1	1.3	1.0	3.2		
E	- 1	2.6	3.6	1.0	. 1	.0		7.5	14.1	10.7	7.3	6.9	5.8	5.4	7.4	4.6	11.4	
SE	. 5	8.8	9.1	2.1	.4	*		17.5	14.1	15.4	16.6	19.1	22.3	17.4	21.0	19.2		
SW	.5	9.3	9.1	3.3	.4	. 1		22.7	13.6	23.5	23.8	18.8		22.5	25.5	20.4	23.7	
W	. 3	5.9	8.7	3.7	. 9	. 1		19.5	16.2	18.2	19.3	25.1			15.9	19.5	14.0	
NW	. 2	2.6	2.9	1.0	. 2	.0		6.8	14.3	7.7	7.3	7.1	6.9	6.0	5.4	8.6		
VAR	.0	.0	• 0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5	
CALM	. 7							.7	.0	1.1	.9	. 5	1.0	. 5	1.2	. 6	. 3	
TOT DBS	86	1174	1321	418	68	9	3076		14.0	565	348	404	292	598	251	329	289	
TOT PCT	2.8	38.2	42.9	13.6	2.2	. 3		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

	v		

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT FREQ	MEAN SPD	00	HDU 06 09	12 15	18 21
N	.6	. 9	.4		.0		2.0	11.1	2.7	1.3	1.2	3.0
NE	. 7	1.1	. 4	*	.0		2.2	10.8	3.3	1.4	1.3	2.5
E	1.0	3.8	2.4	. 3	*		7.5	14.1	9.4	6.4	6.0	7.8
SE	2.2	9.4	5.0	. 9	*		17.5	14.1	15.9	17.3	18.5	18.8
5	3.2	11.5	5.4	. 9	. 1		21.1	13.2	17.9	21.1	24.0	21.8
SW	4.2	11.5	5.3	1.6	. 1		22.7	13.6	23.6	21.2	23.4	21.9
W	2.3	8.8	6.1	2.1	. 3		19.5	16.2	18.6	23.5	19.2	16.9
NW	1.1	3.3	1.8	.6	*		6.8	14.3	7.6	7.0	5.8	6.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.7						. 7	• 6	1.0	. 7	.7	. 5
TOT ORS	491	1546	824	197	18	3076		14.0	913	696	849	618
TOT PCT	16.0	50.3	26.8	6.4	. 6		100.0		100.0	100.0		

011		•	C	-	

								NOVEMBER					
PERIOD:	(PRIMARY) (DVER-ALL)	1910-196 1854-196						TABLE 4				AREA 0017 CAPE 33.95	LEEUWIN 114.5E
				PER	CENTAGE	FREQUE	NCY DF	WIND SPE	ED BY	HOUR	(GMT)		
		HOUR	CALM	1-3	4-10	WIND 11-21	SPEED 22-33	34-47	48+	MEAN	PCT FREQ	TOTAL DBS	
		00603 06609 12615 18621 TOT PCT	1.0 .7 .7 .5 23	2.1 2.2 1.6 2.4 63 2.0	38.4 35.9 38.2 40.3 1174 38.2	41.0 43.1 43.9 44.3 1321 42.9	14.9 14.8 12.8 11.3 416 13.6	2.3 2.9 2.5 1.0 68 2.2	.3	14.4	100.0 100.0 100.0 100.0	913 696 849 618 3076	

TABLE 5	TABLE 6

P	CT FRE			DIRFC		EIGHTHS)		,					CEILIN NH <5/					
				DIRFC	1 11114	MEAN				-110	CONKEN	CE UF	1111	0 01 1	THU DI	KECIIL		
WND DIR	0-2	3-4	5-7	3 8	TOTAL	CLOUD	000	150	300	600	1000	2000	3500	5000	6500	80004	NH <5/8	TOTAL
				OBSCh	OBS	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	DBS
N	.9	.2	.5	. 1		3.3	.0	.0	.0	.0	.1		. 1	.0	.1	. 1	1.2	
NE	. 7	. 4	. 8	. 4		4.5	.0	.0	.0	. 2	. 2	.1	. 2	.0	. 1	.0	1.5	
Ê	2.4	. 9	2.3	1.4		4.5	.0	.0	. 1	. 4	1.2	. 6	.3	.0	.0	. 1	4.3	
SE	5.5	2.3	7.8	3.0		4.7	.0	.0	. 2	. 8	4.0	2.3	1.2	- 2	.0	. 2	10.5	
S	4.8	3.6	8.6	3.5		4.7	.0	.0	.1	1.5	3.4	2.5	2.0	. 6	. 2	. 2	10.2	
SW	2.9	4.8	8.3	2.8		5.0	. 1	.0	. 2	1.1	3.2	1.9	1.3	. 7	.0		10.2	
W	2.1	4.4	9.7	5.7		5.6	.0	.0	. 4	2.2	5.0	2.4	1.3	. 5	. 2	.0	9.9	
NW	2.2	1.1	2.7	2.0		4.8	.0	.0	.0	. 2	1.4	1.5	. 4	. 1	.0	.0	4.4	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 1	• 1	. 1	• 1		5.2	.0	.0	.0	. 1	.0	.0	.0	.0	.0	.0	. 3	
TOT OBS	247	204	468	227	1146	4.9	1	0	11	76	212	130	79	23	6	6	602	1145
TOT PCT	21.6	17.8	40.8	19.8	100.0		• 1	•0	1.0	6.6	18.5	11.3	6.9	2.0	.5	.5	52.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND YSBY (NH)

				VSBY (NM	()			
CEILING	■ DR	 DR 	- DR	= OR	= OR	- DR	· DR	= DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR >6500	.8	.9	1.0	1.0	1.0	1.0	1.0	1.0
DR >5000	2.4	3.0	3.1	3.1	3.1	3.1	3.1	3.1
OR >3500	8.2	9.6	9.9	9.9	9.9	9.9	9.9	9.9
DR >2000	18.2	20.9	21.4	21.4	21.4	21.4	21.4	21.4
OR >1000	34.2	39.0	39.8	39.8	39.8	39.8	39.8	39.8
DR >600	38.8	45.3	46.3	46.4	46.4	46.4	46.4	46.4
UR >300	39.2	46.0	47.2	47.3	47.3	47.3	47.3	47.3
DR >150	39.2	46.0	47.2	47.3	47.3	47.3	47.3	47.3
DR > 0	39.2	46.0	47.2	47.4	47.4	47.4	47.4	47.4
TOTAL	456	535	540	551	551	551	551	551

TOTAL NUMBER OF DBS: 1162 PCT FRED NH <5/81 52.6

TABLE 7A
PERCENTAGE FRED OF LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 8.9 11.2 10.9 11.9 9.4 8.5 8.9 13.7 16.5 .1 1264

NO	S/ C	M	F	P

							HOY	EUDEN						
	910-1969 854-1969						TA	BLE 8				ARE	4 0017 CAPE LE 33.95 11	EUW :
		P	RCENT	FREC PREC	OF WIN	D DIRE	CTION TH VAR	VS DCC	URRENCE ALUES	E OR N	IBILIT	URRENC Y	E DF	
VSBY (NM)		N	NE	E	SE	5	SW	×	NW	VAR	CALM	PCT	TOTAL	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	NO PCP	.0		. 1	.0	.0	.0	.0	.0	.0	.0	.1		
	TOT %	• 0		.1	.0	.0	.0	.0	.0	.0	.0	• 1		
	PCP	.0	.0	.0	. 1	.1	.0	.1	.0	.0	.0	. 2		
1/2<1	NO PCP	. 1	• 1	.0	. 1	.1	. 1	.2		.0	.0	.6		
	TOT %	• 1	• 1	.0	. 2	. 1	. 1	. 2	•	.0	.0	. 8		
	PCP	• 1	.0	.0	.0	.1	. 1	.1	.0	.0	.0	.3		
1<2	NO PCP	• 1	.0			• 1	.0	. 1	. 1	.0	.0	.6		
	TOT %	• 1	.0			• 1	• 1	. 2	. 1	.0	.0	.6		
	PCP	.0	.0	.1	.1	• 1	. 1	.2	.0	.0	.0	.5		
2<5	NO PCP		.0	. 1	. 1	. 1	.0	. 2	.1	.0	.0	. 5		
	TOT %		.0	. 1	. 1	. 5	• 1	.3	. 1	.0	.0	1.0		
	PCP	• 1	• 1	.2	. 4	.4	1.2	1.3	.5	.0	.1	4.3		
5<10	NO PCP	. 9	.6	2.8	5.8	6.4	6.3	6.1	1.8	.0	. 1	30.9		
	TOT %	.9	. 7	3.0	6.2	6.8	7.5	7.4	2.3	.0	. 2	35,1		
	PCP	.0	• 1	.2	. 2	. ?	.5	.7	.0	.0	.0	1.9		
10+	NO PCP	1.2	1.6	4.4	12.1	12.5	11.7	11.9	4.8	.0	. 2	60.5		
	TOT &	1.2	1.7	4.6	12.3	12.8	12.2	12.6	4.8	.0	. 2	62.4		

TOT OBS
TOT PCT 2.3 2.5 7.8 18.8 20.1 20.1 20.8 7.3 .0 .3 100.0

TABLE 9

				PERCEN	WITH Y	ARYING	ND DIR	S OF V	VS WI	ND SPE ITY	ED		
VSRY (NM)	SPD	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0		.1	.0	.0	.0	.0	.0	.0		. 1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	*	.1	.0	.0	.0	.0	.0	.0	.0	. 1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0		.0		. 1	*		.0	.0		.3	
	11-21	.0	.0	.0	.1	*	. 1	. 1	*	.0		. 4	
	22+	*	.0	.0	.0	.0	.0		.0	.0		:7	
	TOT %	*	*	.0	. 1	. 1	. 1	. 2	•	.0	.0	.7	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	*	.0	.0	.0	*	.0	. 1		.0		, 2	
	11-21	.0	.0		*	. 1	*	*	.0	.0		.2	
	22+	*	.0	.0	.0	.0	. 1	.0	.0	.0		:5	
	TOT %	. 1	• 0	*	*	. 1	. 1	. 1		.0	.0	.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	. 1	. 1	.0		.0		.2	
	11-21	*	.0	.0	*	. 1	.1	. 3		.0		.5	
	22+	.0	.0	. 1	*	. 1	. 1	. 1		.0		.4	
	TOT %	•	• 0	. 1	.1	. 3	. 2	. 3	.1	.0	.0	1.1	
	0-3	.0	.0	. 1	.2	.3	.2	.1	.0	.0	.1	1.0	
5410	4-10	.5	.5	.9	2.1	2.1	2.7	1.6	.6	.0		10.9	
	11-21	. 3	. 2	1.3	2.5	3.1	2.8	3.4	. 9	.0		14.5	
	22+	.0		. 5	1.2	. 8	1.1	1.7	. 5	.0		5.7	
	TOT %	. 8	. 7	2.7	5.9	6.2	6.8	6.7	2.1	.0	. 1	32.1	
	0-3	. 1	. 1	. 1	.0	.2	.3	.1	. 2	.0	.3		
10+	4-10	.5	. 9	2.0	4.6	6.6	6.0	3.6	1.8	.0		25.9	
	11-21	.5	.5	2.5	6.3	5.3	5.1	5.9	2.2	.0		28.3	
	22+	.0	. 1	. 6	1.9	1.6	2.1	2.9	.6	.0		9.8	
	TOT %	1.1	1.6	5.2	12.8	13.7	13.5	12.5	4.8	.0	.3	65.4	
	TOT DAS												2194
	TOT PET	2.1	2.4	8.1	19.0	20.5	20.7	19.9	7.0	.0	.4	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1910-1969 (DVER-ALL) 1854-1969

TABLE 10

AREA 0017 CAPE LEEUWIN

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

					UC	CURREN	CE U			UOK				
HOUR (GMT)	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499		8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00603	.0	.0	1.7	6.7	21.2	12.5	6.1	3.0	.7	.7	52.5	47.5	297	
05809	.3	.0	.6	4.3	12.8	10.1	5.2	1.5	.3	.0	35.1	64.9	328	
12815	.0	.0	.7	6.9	18.4	10.9	6.9	2.6	.0	1.0	47.4	52.6	304	
18621	.0	.0	.7	7.7	18.3	10.9	8.1	.7	1.1	.4	47.9	52.1	284	
PCT	.1	.0	11	6.3	213	134	79 6.5	2.0	. 6 . 5	.5	551 45.4	662 54.6	1213	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY V58	Y (NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.0	1.2	• ?	1.5	36.3	60.9	606	00803	.0	1.8	9.5	45.3	45.3	285
06809	.0	.4	1.1	1.0	27.8	69.7	525	90300	.3	1.0	6.4	30.5	63.0	311
12615	.2	.8	.6	1.1	36.0	61.2	627	12615	.0	.7	9.2	40.1	50.7	294
18821	. 2	.4	• 2	. 8	27.7	70.6	480	18821	.0	.7	9.2	40.8	50.0	272
TOT PCT	.1	16	12	25 1.1	725 32.4	1458	2238	PCT	.1	12	99 8.5	453 39.0	610 52.5	1162

TABLE 13

	PERC	ENT FR	EQUENCY	Y OF P	ELATIVE	HUMI	DITY B	Y TEMP		
									TOTAL	PCT
TEMP !	0-29	30-39	40-49	50-59	50-69	70-79	80-89	90-100	OBS	FRE
75/79	.0	.0	.0	. 1	. 1	.1	.0	.0	4	.3
70/74			. 1	. 1	. 9	. 9	. 1	. 1	33	2.2
65/69	.0	.1	. 1	1.1	3.1	4.6	5.3	2.2	247	16.4
60/64	.0	.0	. 1	2.8	13.8	20.0	13.9	4.2	823	54.8
55/59	.0	.0	. 2	2.6	6.9	8.2	4.7	1.9	369	24.6
50/54	.0	.0	.0	.0	. 5	.6	.7	.0	27	1.8
TOTAL	. 0	1	6	100	381	517	372	126	1503	100.0
PCT	0	1	4	6 7	28 2	34 4	24 8	0 4		

TABLE 1

	PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	ЕМР	
N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.1	.1	*		.0	.0	.0	.0	.0
.6	.8	1.2	2.4	3.1	2.2	3.8	2.2	.0	.1
.6	.4	2.3	4.5	6.0	7.0	3.5	.5	.0	• 1
1.7	2.7			20.5	20.4	20.4	.0	.0	.0

TABLE 15
MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR	MAX	99%	95%	50%	5*	1%	MIN	MEAN	TOTAL
(GMT)									DBS
00603	76	73	58	62	56	54	50	62.0	883
90300	79	74	70	63	58	55	50	63.4	673
12615	76	70	57	61	56	54	51	61.4	851
18521	70	67	55	60	55	53	51	60.1	633
TOT	79	72	58	62	56	54	50	61.8	3040

TABLE 16

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUS	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-150	MEAN	TOTAL
00603	.0	8.7 10.2 4.2	22.8 33.6 23.5	36.4 31.8 34.0	23.5 19.4 29.3	8.7 5.0 9.0	75 72 76	404 381 409
18£21 TOT	.0	5.0 108	20.9	35.3	27.6	11.2	77	340 1534

PERIOD: (PRIMARY) 1910-1969 (OVER-ALL) 1854-1969

TABLE 17

AREA 0017 CAPE LEEUWIN 33.95 114.5E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FGG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SFA	49	53	57	61	65	69	73	77	TOT	W	WO
TMP DIF	52	56	60	64	68	72	76	80		FOG	FOG
14/16	.0	.0	.0	.0	.0	.0	.0	.1	1	.0	.1
11/13	.0	.0	.0	. 0	.0	. 1	. 1	.0	2 3	.0	. 1
9/10	.0	.0	.0	. 1	.0	. 1	. 1	.0	3	.0	. 2
7/8	.0	.0	.0	.1	• 1	.2	.1	.0	6	.0	.3
6	.0	.0	.0	.1	.2	. 2	. 2	.0	12	.0	.7
6	.0	.0	.0	. 1	. 2	. 7	.0	.0	18	.0	1.0
4	.0	.0	.0	. 2	.5	. 4	. 1	.0	20	.0	1.2
4 3 2 1 0 -1	.0	.0	.1	.1 .2 .5	1.4	. 6	.1	.0	46	.0	2.7
2	.0	.0	.2	1.7	1.7	.4	.0	.0	68	.0	3.9
1	.0	.0	. 5	2.1	3.6	. 3	.0	.0	115	.0	6.7
0	.0	. 1	1.1	5.0	3.9	. 1	. 1	.0	177	. 2	10.1
-1	.0	. 2	1.9	7.4	1.6	. 1	.0	.0	191	. 2	10.8
-2	.0	.5	3.0	8.7	1.6	.0	. 1	.0	239	. 1	13.7
-3 -4	.0	. 2	3.7	7.6	.6	.0	.0	.0	211	. 1	12.1
-4	. 1	. 3	4.7	5.3	. 2	.0	.0	.0	184	. 1	10.5
-5	.0	.6	5.4	3.1	. 1	.0	.0	.0	159	. 1	9.1
-6	.0	1.0	3.9	1.4	. 1	.0	.0	.0	110	. 1	6.3
-7/-8	. 1	2.0	4.1	.6	.0	.0	.0	.0	116	. 1	6.7
-9/-10	. 2	. 8	. 8	. 2	.0	.0	.0	.0	35	.0	2.0
-11/-13	. 1	. 3	. 2	. 1	.0	.0	.0	.0	11	.0	.6
-14/-16	. 1	.1	.0	.0	.0	.0	.0	.0	3	.0	. 2
TOTAL	8		513		273		9			16	1711
		105		763		55		1	1727		
PCT	. 5	6.1	29.7	44.2	15.8	3.2	. 5	.1	100.0	. 9	99.1

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 1-3 4-10 1-3 48+ SE 22-33 .00 .44 .46 .77 .9 .1 .55 .00 .00 .00 .00 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
71-86
61-70
71-86 27-33 .00 .00 .22 .33 .11 .00 .00 .00 .00 .00 48+ 1-3 48. 1-3

_						
۲	А	Şþ	Ε	ķ	4	2

PERIOD	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
(SEC)																					HGT
<6	.5	3.6	7.0	3.2	1.1	.9	.6	.0	. 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	167	4
6-7	.0	. 1	2.8	6.9	5.1	2.7	2.4	. 3	. 5	. 1	. 3	. 3	.0	.0	.0	.0	.0	.0	.0	207	7
9-9	.0	.0	.7	4.6	4.5	5.3	4.3	1.5	1.1	. 3	. 1	. 1	.0	.0	.0	.0	.0	.0	.0	215	8
9-9	.0	. 1	. 1	1.1	3.4	2.8	3.5	2.6	1.3	. 5	. 2	. 2	.1	.0	.0	.0	.0	.0	.0	215	10
12-13	.0	.0	. 2	.5	1.1	1.3	2.0	2.7	1.7	. 9	. 2	. 2	. 2	.0	.0	.0	.0	.0	.0	107	11
>13	.0	.0	.0	.0	. 3	.1	. 8	1.2	1.5	.1	. 2	.0	.0	.0	.0	.0	.0	.0	.0	41	12
INDET	.6	. 5	1.1	1.5	1.0	.5	.9	. 2	. 1	.0	.0	.1	.0	.6	.0	.0	.0	.0	.0	70	8
TOTAL	11	42	115	171	160	132	140	82	63	19	10	9	3	6	0	0	0	0	0	963	8
PCT	1.1	4.4	11.9	17.8	16.6	13.7	14.5	8.5	6.5	2.0	1.0	. 9	. 3	.6	.0	.0	.0	.0	.0	100.0	

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.0	3.3	. 1	.0	.0	.0	4.5	085
1-2	.6	15.5	3.0	.0	.0	.0	19.1	
3-4	.1	12.0	17.5		.0	.0	30.7	
5-6					.0	.0	23.9	
7	.0	2.8	17.2		.6			
	.0	.4	5.2			.0	8.7	
8-9	.0	.0	2.3		. 1	- 1	5.2	
10-11	.0	.0	. 1	1.7	1.0	.0	2.9	
12	.0	.0	.0	1.0	.7	.0	1.7	
13-16	.0	. 1	.0	1.2	.0	0	1.3	
17-19	.0	.0	.0	.0	.3	0	. 3	
20-22	.0	.0	.0	.0	.0	1	.1	
23-25	.0	.0	.0	.4	.0	.0	.4	
26-32	.0	.0	.0	.0	.1	.0	. 1	
33-40	.0	.0	.0	.1	. 1	.6	.9	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	,0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
.,,	• 0	.0		• •				690
TOT PET		20. 2	7	14 .	3 G	a	100 0	890

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT 085
<1	1.0	3.3	. 1	.0	.0	.0	4.5	000
1-2	.6	15.5	3.0	.0	.0	.0	19.1	
3-4	.1	12.0	17.5	1.0	.0	.0	30.7	
5-6	.0	2.8	17.2	3.9	.0	.0	23.9	
7	.0	. 4	5.2		,6	.0	8.7	
8-9	.0	.0	2.3		. 1	-1	5.2	
10-11	.0	.0	.1	1.7	1.0	.0	2.9	
12	.0	.0	.0	1.0	.7	.0	1.7	
13-16	.0	. 1	.0	1.2	.0	0	1.3	
17-19	.0	.0	.0	.0	. 3	0	. 3	
20-22	.0	.0	.0	.0	.0	1	.1	
23-25	.0	.0	.0	.4	.0	.0	. 4	
26-32	.0	.0	.0	.0	.1	.0	. 1	
33-40	.0	.0	.0	.1	.1	. 6	. 9	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	

99.7

22-33 .00 .00 1.2 .3 .2 .00 .1 .00 .00 .00 .00 .00 .00 .00 4-10 1.0 3.2 3.5 .5 .1 .0 .0 .0 .0 .0 .0 48+ 1-3 48+ PCT .9 2.8 6.2 3.7 1.2 .1 .0 .0 .2 .0 .0 .0 .0 W 22-33 .0 .0 .0 .0 .1 .0 .1 .0 .1 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .1 1-3 48+ 1-3

HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 22 23-25 26-32 33-40 61-70 71-86 87+

HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86

PERIOD: (OVER-ALL) 1949-1969

NOVEMBER AREA 0017 CAPE LEEUWIN 33.95 114.5E PERIOD: (OVER-ALL) 1963-1969 TABLE 18 (CONT) PCT FREQ DF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

PERIOD: (PRIMARY) 1912-1972 (DVER-ALL) 1854-1972

TABLE 1

AREA 0017 CAPE LEEUWIN 33.85 114.5E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

					-										
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	2.8	5.3	.0	.0	.0	.0	.0	5.3	14.5	4.1	.0	.0	5.5	.0	80.3
S E	1.0	1.9	.6	.0	.0	.0	.0	3.1	1.5	2.5	3.3	.0	3.2	.0	89.2
S Sw	1.1	2.0	1.2	.0	.0	.0	.0	7.3	1.0	.5	.5	.0	.6	.0	94.2
N.	4.1	6.3	.7	.0	.0	.0	.0	11.5	4.1	.0	.8	.0	.5	.0	85.2
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	92.9
TOT PCT TOT OBS:	2043	3.8	.7	.0	.0	.0	.0	5.5	1.3	.6	1.1	.0	1.1	.0	90.4

TABLE 2

DERCENT	EREDHENCY	DE	WEATHER	DECHRRENCE	RV	HDu	c

			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR L TNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	.7 1.1 .9 1.3	4.0 2.7 4.3 3.9	1.0 .2 .5 1.3	.0	.0	.0	.0	5.7 4.0 5.7 6.5	2.6 .6 .4 1.3	.3 .0 .9	1.0 .6 1.4 1.3	.0	1.6	.0	88.7 93.5 90.7 89.0
TOT PCT	2072	3.8	.8	.0	•0	.0	.0	5.5	1.3	.7	1.1	.0	1.1	.0	90.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	ots)								HUUB	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FREQ	MEAN	00	03	06	09	12	15	1.8	21
N	. 2	. 4	. 3			.0		.9	10.4	1.3	.9	.4	.7	. 6	.4	1.5	1.2
NE	. 2	1.1	. 8	. 2	. 1	.0		2.3	11.7	3.5	3.3	1.9		. 9			
E	. 2	2.8	4.4	1.2	. 1	.0		8.7	14.1	11.9							
SE	. 2	5.3	12.3	2.7		.0		20.6	14.7	20.5	20.3						
S	. 5	8.0	12.3	2.6	.1	.0		23.4	13.7	19.8	19.4						17.4
Sw	. 3	9.2	9.3	2.7	.6			22.2	14.1	20.2	22.6						
W	. 3	4.8	6.9	3.5	. 8	.0		16.3	16.4	16.8	16.0		16.3				
NW	. 3	1.3	2.1	1.1	. 2	.0		4.9	16.0	4.9							
VAR	.0	.0	• 0		.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
CALM						• 0		.8	.0						.0		
TOT DBS	92	1000	1477	426	57	,	3053	. 0	14.4	595	338	397	269	579	. 8	344	
TOT PCT		32.8					2000	100.0	1414						244		
TOT PCT	3.0	32.8	48.4	14.0	1.9			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

WNO DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN	00	06 09	12 15	18
N	.3	.4	.2		.0		. 9	10.4	1.2		.5	1.3
NE	. 7	1.0	.4	. 1	.0		2.3	11.7	3.4		1.0	2.9
E SE	1.1	4.4	2.9	.3			8.7	14.1	11.1		7.3	8.5
SE	1.8	10.4	7.9	.3	.0		20.6	14.7	20.5		18.8	23.5
5	2.9	12.7	6.8	. 9	.0		23.4	13.7	19.7	24.7	26.9	22.9
SW	2.7	12.4	5.4	1.6	. 2		22.2	14.1	21.1	22.7	23.5	21.6
w	1.9	7.1	5.1	2.0	.1		16.3	16.4	16.5	18.7	15.4	14.5
NW	. 7	2.0	1.6	.6			4.9	16.0	5.8		5.8	3.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	. 8						. 8	• 0	.8	. 2	. 9	1.4
TOT ORS	392	1538	926	185	12	3053		14.4	933	666	823	631
TOT PCT	12.8	50.4	30.3	6.1	. 4		100.0		100.0	100.0	100.0	100.0

1F	0	c	u	•	F	0	

							DECEMBER					
PERIOD: (PRIMARY) (DVER-ALL)	1912-197 1854-197						TABLE 4				AREA C	LEEUWIN 114.5E
			PER	ENTAGE	FREQUE	ENCY DE	WIND SP	EED BY	HOUR	(GMT)		
	HOUR	CALM	1-3	4-10		SPEFD 22-33	(KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL OBS	
	00603 06609 12615 18621 TOT PCT	.8 .2 .9 1.4 24	3.2 1.1 1.5 3.0 68 2.2	35.4 31.2 28.7 35.8 1000 32.8	46.1 51.8 49.6 46.6 1477 48.4	17.7 11.9 426	1.7 1.3 57	.0	14.9	100.0 100.0 100.0 100.0	933 666 823 631 3053	

			Τ.	ABLE 5								TA	BLE 6					
	PCT FRE			DIREC		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000	6500 7999	8000+	NH <5/8	
N	.2	.3	. 3			5.5	.0	.0	.0	.0	. 1	.4	.1	.0	.0	.0	. 4	
NE	. 7	. 2	.6	. 5		4.7	.0	.0	.0	.0	. 3	. 2	. 2	. 1	.0	.0	1.2	
E	3.9	1.7	2.4	1.3		3.7	.0	.0	.0	.4	1.0	. 9	.5	. 1	.0	. 1	6.5	
SE	6.9	2.8	6.3	3.6		4.2		.0	.0	. 9	2.9	2.5	1.5	. 2	. 1	.0	11.3	
5	7.9	4.1	10.5	3.7		4.4	.1	.0	. 1	. 8	5.1	3.6	1.3	. 5	. 1	.0	14.7	
SW	4.8	4.1	9.0	3.9		5.0	.0	.0	. 2	. 9	3.9	2.8	2.0	. 3	. 2	.1	11.5	
W	2.2	2.6	7.9	3.3		5.5	.1	.0	.1	1.2	3.0	2.0	1.1	. 2	. 1	.0	8.1	
NW	. 3	. 7	1.6	. 5		5.2	.0	.0	.0	. 1	. 7	. 6		. 1	.0	.0	1.6	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.4	. 1	. 3	. ?		3.9	.0	.0	.0	.1	. 2	. 1	. 1	.0	.0	.0	.6	
TOT DBS		199	469	209	1204	4.6	2	0	5	52	207	157	82	19	7	2	671	1204
TOT PCT	27.2	16.5	39.0	17.4	100.0		.2	• 0	.4	4.3	17.2	13.0	6.8	1.6	.6	. 2	55.7	100.0

TABLE 7

CUMULATIVE PCT FRFQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM)			
CEILING	• OR	• OR	- DR	= OR	= DR	· DR	- DR	• DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	.5	.7	.7	.7	.7	.7	.7	.7
■ DR >5000	2.1	2.4	2.4	2.4	2.4	2.4	2.4	2.4
■ DR >3500	7.1	8.9	9.1	9.1	9.1	9.1	9.1	9.1
■ DR >2000	18.9	21.5	22.2	22.2	22.2	22.2	22.2	22.2
■ DR >1000	33.3	38.0	39.2	39.2	39.2	39.2	39.2	39.2
■ DR >600	37.1	42.4	43.5	43.5	43.5	43.5	43.5	43.5
■ DR >300	37.2	42.7	43.8	43.9	43.9	43.9	43.9	43.9
■ DR >150	37.2	42.7	43.8	43.9	43.9	43.9	43.9	43.9
- DR > 0	37.2	42.7	43.8	44.0	44.0	44.0	44.1	44.1
TOTAL	453	520	534	536	536	536	537	537

TOTAL NUMBER OF OBS: 1218 PCT FREQ NH 45/81 55.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 12.3 11.9 11.9 9.6 10.1 7.9 11.2 11.3 13.5 .2 1307

F	•	E	M	R	F	R

PERIOD:	(PRIMARY) 1 (DVER-ALL) 1	912-1972 854-1972						TA	BLE B				ARE	A 0017 CA	PE LEEUWIN S 114.5E
			PE	RCENT					VS DCC				URRENC	E DF	
	VSBY (NM)		N	NE	E	SE	5	SW	×	NW	VAR	CALM	PCT	TOTAL	
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	<1/2	NO PCP	.0	.0	.0	.0	.0	.0	. 1	.0	.0		. 1		
		TOT \$.0	.0	.0	.0	.0	.0	. 1	.0	.0		.1		
		PCP	.0	.0	.0						.0	.0	.1		
	1/2<1	NO PCP	.0	.0		.4				.0	.0	.0	.6		
		TOT &	.0	.0	:	.5	. 1	. 1		•	.0	.0	.7		
		PCP	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1		
	1<2	NO PCP		• 1	. 3	. 2	. 2	•1	:		.0	.0	1.0		
		TOT \$	•	• 1	. 3	.2	. 2	• 2	•	•	.0	.0	1.1		
		PCP	.0	.0	.0	.0		. 1	.1		.0	.0	.3		
	2<5	NO PCP		. 1		.0	.0	.2	. 2		.0	.0	. 6		
		TOT \$		• 1	•	.0		.3	. 3	. 1	.0	.0	. 9		
		PCP		.0	. 3	.4	.6	1.2	1.2	. 3	.0	.0	4.0		
	5<10	NO PCP	. 4	.6	2.4	7.2	7.6	7.0	3.8	1.5	.0	. 1	30.5		
		TOT *	. 4	.6	2,7	7.6	8.1	8.2	5.1	1.8	.0	.1	34.6		
		PCP	.0		.0		. 3	.3	. 3	•	.0	.0	1.0		
	10+	NO PCP	. 4	1.0	5.7	12.2	16.9	13.9	8.9	1.9	.0	. 5	61.6		
		TOT \$.4	1 • 0	5.7	12.3	17.1	14.2	9.3	2.0	.0	. 5	62.6		
		TOT OBS												2043	
		TOT PCT	. 9	1.8	8,8	20.5	25.5	23.0	14.9	3.9	.0	.7	100.0		

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY	SPD	N	NE	Ε	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS												DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
<1/2	4-10	.0	.0	.0	.0	.0	.0	.1	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	.0	.0	. 1	.0	.0	•	. 1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0		. 1	.1	•	.0	.0		. 2	
	11-21	.0	.0	.0		.0	.0	.0	.0	.0			
	22+	.0	.0		. 3	.0	.0			.0		.4	
	TOT %	.0	• 0		. 4	. 1	. 1		•	.0	.0	: 4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.1	. 1		•	.0	.0		.3	
	11-21	.0	. 1	. 2			.1		.0	.0		. 5	
	22+		.0	. 1						.0		. 3	
	TOT %		• 1	. 3	• 1	. 2	. 2	.1	•	.0	.0	1.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	4-10			.0	.0		. 1	.1	.0	.0		. 2	
	11-21	.0			.0	.0	. 1	. 2	. 1	.0		. 4	
	22+	.0	.0	.0	.0	.0	. 1	. 2		.0		. 3	
	TOT \$	•	• 1		.0		. 3	.4	. 1	.0	.0	1.0	
	0-3	. 1	.0	.1	.1	. 2		.1	. 1	.0	.1	.7	
5<10	4-10	. 1	. 3	.7	1.9	2.2	3.1	1.2	. 2	.0		9.8	
	11-21	. 2	. 2	1.3	3.7	3.9	3.0	1.8	. 8	.0		14.8	
	22+		. 1	. 3	1.1	1.0	1.3	1.8	. 7	.0		6.3	
	TOT \$.4	.5	2.4	6.8	7.3	7.5	4.8	1.7	.0	.1	31.5	
	0-3	.0	. 1	. 1	.1	.3	.3	.1	.1	.0	. 6	1.7	
10+	4-10	. 3	.6	2.2	3.3	6.4	6.7	3.4	. 8	.0		23.7	
	11-21	. 1	.4	2.6	8.2	8.8	6.3	5.3	1.3	.0		33.1	
	22+	.0		. 9	1.4	1.8	1.5	1.4	. 3	.0		7.2	
	TOT %	.4	1.2	5.8	13.1	17.2	14.8	10.2	2.5	.0	.6	65.7	
	TOT DAS												2297
7	TOT PET	. 9	1.8	8.5	20.4	24.8	22.8	15.7	4.4	.0	. 7	100.0	

DECEMBER

PERIOD: (PRIMARY) 1912-1972 AREA 0017 CAPE LEEUWIN 33.85 114.5E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

600 1000 2000 3500 5000 6500 8000+ TDTAL NH <5/8
999 1999 3499 4999 6499 7999 ANY HGT HOUR (GMT) 00603 8.6 2.8 5.6 17.3 13.3 324 . 3 96330 .0 .9 3.3 11.0 12.5 7.1 .0 35.7 64.3 336 12615 5.9 1.3 .0 .3 . 3 43.8 . 3 3.9 19.7 11.2 56.3 304 4.0 2.0 . 7 18821 .0 58.4 .0 .0 4.0 17.8 13.2 .0 41.6 303 PCT 5 53 207 159 82 20 .4 4.2 16.3 12.5 6.5 1.6

TABLE 11 TABLE 12 CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/DR CEILING HGT (FEET,NH >4/8),BY HOUR PERCENT FREQUENCY VSBY (NM) BY HOUR 2<5 5<10 10+ TOTAL DBS <600 <1000 1000+ NH <5/8 TOTAL</p>
<1 <5 AND5+ AND 5+ DBS</p> 00603 00803 1.8 33.0 62.5 658 9.0 41.7 312 . 8 .4 25.5 72.8 90300 32.5 90300 525 .0 62.7 .6 322 12615 .7 5.8 39.9 .8 12615 1.1 .8 36.0 61.1 630 . 3 54.3 .4 18821 18621 .2 .2 .8 30.2 68.2 513 .0 .3 5.5 38.2 56.3 293

PCT

23 733 1528 2326 1.0 31.5 65.7 100.0

TOT

8 76 463 .7 6.2 38.0

679 1218 55.7 100.0

TABLE 13 TABLE 14 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP .2 .2 .3 .2 .6 1.7 .7 5.7 2.2 13.2 .6 2.4 .0 .0 .70 366 4.5 23.4 .0 .0 .4 .1 2.6 1.7 12.5 11.9 15.7 11.4 2.4 1.2 .0 .1 525 414 33.5 26.5 .0 .0 .7 5.4 4.7 .7 .0 180 80/84 75/79 70/74 65/69 60/64 55/59 50/54 TOTAL PCT .0 .3 1.9 6.8 9.2 1.2 .0 .1 .1 .4 .0 .0 .0 .9 .6 .0 .0 .1 1.0 .7 .1 .0 .0 .0 1565 100.0 . 9 2.0 9.3 19.4 24.5 23.6 15.6 3.9

TABLE 15 TABLE 16 MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR 1% MIN MEAN TOTAL
DBS
57 56 64.6 909
58 56 65.1 647
56 50 64.0 825
56 55 62.8 637
57 50 64.4 3018 HOUR (GMT) 00603 06609 12615 HOUR (GMT) 00803 06809 12815 MAX 998 95% 50% 5% 72 73 71 69 71 59 60 59 58 59 64 66 64 63 15381 TOT

PERIOD: (PRIMARY) 1912-1972 (OVER-ALL) 1854-1972

TABLE 17

AREA 0017 CAPE LEEUWIN 33.85 114.5E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

					VS AIN	-SEA	FMFE	KATUKE	DIF	FERENCE	(DEG F)			
AIR-SEA	49	53	57	61	65	59	73	77	81	85	TOT	W	WD	
TMP DIF	52	56	60	64	68	72	76	80	84	88		FOG	FDG	
14/16	.0	.0	.0	.0	.0	.0	.0	. 1	.0	.0	1	.0	.1	
11/13	.0	.0	.0	.0	.0	. 1	. 1	. 1	. 2	. 1	8	.0	. 4	
9/10	.0	.0	.0	.0	. 1	. 1	. 1	. 1	.0	.0	6	.0	.3	
7/8	.0	.0	.0	.0	.0	.0	. 1	. 2	.0	.0	. 6	.0	.3	
6	.0	.0	.0	.0	. 1	. 1	. 4	. 1	.0	.0	11	.0	. 6	
5	.0	.0	.0	.0	. 2	.6	. 5	. 2	.0	. 1	29	. 1	1.5	
4	.0	.0	.0	. 1	. 6	. 9	. 4	.0	.0	.0	36	. 1	1.9	
3	.0	.0	.1	. 3	1.3	1.7	. 7	.0	.0	.0	76	. 2	4.0	
2	.0	.0	. 2	. 8	2.8	2.1	. 4	.0	.0	.0.	114	. 2	6.0	
1	.0	.0	. 1	1.5	3.2	2.0	. 1	. 1	.0	.0	128	. 1	6.9	
0 -1	.0	. 1	. 4	2.7	4.8	1.3	. 1	.0	.0	.0	171	.0	9.3	
-1	.0	.0	.9	6.0	7.2	. 5	.0	.0	.0	.0	269	. 2	14.5	
-2	.0	.0	1.0	7.0	6.1	. 3	.0	.0	.0	.0	264	. 2	14.2	
-3	.0	.0	1.3	7.6	3.3	. 1	. 1	.0	.0	.0	225	. 1	12.1	
-4	.0	. 1	1.4	6.5	1.3	.0	. 1	.0	.0	.0	172	. 1	9.3	
-5	.0	.0	3.0	4.8	. 4	.0	.0	.0	.0	.0	150	.0	8.2	
-6	.0	. 1	1.8	2.3	. 1	.0	.0	.0	.0	.0	79	. 1	4.2	
-7/-8	.0	. 1	2.2	1.5	. 1	.0	.0	.0	.0	.0	71	.0	3.9	
-9/-10	.0	. 1	.9	. 2	.0	.0	.0	.0	.0	.0	20	.0	1.1	
-11/-13	.0	. 1	. 1	. 1	.0	.0	.0	.0	.0	.0	3	.0	. 2	
-14/-16	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.1	
TOTAL	1		243		579		55		3			21	1819	
		8		759		175		15		2	1840			
PCT	. 1	. 4	13.2	41.3	31.5	9.5	3.0	. 8	. 2	.1	100.0	1.1	98.9	

PERIOD: (DVER-ALL) 1963-1972

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 11-21 22-33
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.0 .0 .0 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 22-3-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 1-3 4-10 11-21 1-3 48+ HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 61-70 71-86 PCT FOR THE PCT FOR 1-3 11-21 .0 .3 2.3 2.6 1.0 .0 .0 .0 .0 .0 .0 11-21 .0 1.3 5.2 3.6 1.0 1.0 0 .0 .0 .0 .0 .0 34-47 PCT .9 3.0 7.2 4.6 2.3 1.9 .0 .0 .0 .0 .0 1-3 48+

									DECE	MBER							
PERIOD:	COVE	R-ALL)	1963-1	972										AREA	0017	APE LE	EUWIN
								TABLE	18	(CONT))				33.1	85 114	.5E
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND	DIREC	MULTO	VERSUS	SEA HEIG	HTS (FT)		
				S									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1	. 2	1.0	.0	.0	.0	.0	1.2			.0	1.1			.0	.0	1.1	
1-2	.0	3.5	1.1	.0	.0	.0	4.6			. 2	4.4		.0	.0	.0	5.6	
3-4	.0	3.9	3.9	. 5	.0	.0	8.3			.0	3.5	3.0	.9	.0	.0	7.4	
5-6	.0	. 7	5.7	1.0	• 2	.0	7.6			.0	. 9		.4	.0	.0	3.8	
7	.0	.0	.9	1.5	.0	.0	2.5			.0	.0		. 4	.0	.0	1.1	
8-9	0	.0	.6	.3	.0	.0	.9			.0	.0	. 5	.7		.0	1.2	
10-11	.0	.0	.0	.2	.1	.0	. 3			.0	.0	.0			.0		
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.2	.0	.0	. 2	
13-16	.0	.0	.0	. 1	.0	.0	.1			.0	.0			. 2	.0	. 3	
17-19	.0	.0	.0	.1	.0	.0	.1			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	• 0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	• 0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.2	9.2	12.2	3.7	.3	.0	25.5			.2	9.8			.2	.0	20.8	
101		7.6	14.1		.,	.0	23.5			• 6		1.0	2.1			20.0	
				W									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	PCT
<1	.2	.6	.0	.0	.0	.0	.8			.0	.0			.0	.0	.0	
1-2	. 2	2.9	. 8	.0	• 0	• 0	3.9			.0	. 4			.0	.0	. 5	
3-4	.0	1.8	2.6	. 1	• 0	• 0	4.5			.0	. 1		. 2	.0	.0	1.0	
5-6	.0	.0	3.4	.3	.0	.0	3.7			.0	. 3			.0	.0	1.6	
7	.0	.0	1.2	.5	.0	• 0	1.7			.0	.0			.0	.0	.4	
8-9	.0	.0	. 2	.3	.1	.0	.7			.0	.0			.0	.0		
10-11	.0	.0	.0	.0	.0	.0	. c			.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	. 0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	•0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.3	5.3	8.2	1.3	.1	.0	15.2			.0	.9			.0	.0	3.4	98.7
	.,	,,,		1		•0	13.2			•0	.,	2.7		. 0	.0	3.4	-0.1

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TUT
<1	2.1	4.1	.0	.0	0	.0	6.2	003
1-2	. 3	14.3	4.7	.0	.0	.0	19.3	
3-4	.0	12.5	17.9		.0	.0	32.4	
5-6	. 2	2.6	19.7	2.6	. 2	.0	25.2	
7	.0	. 2	5.2	4.7	.0	.0	10.1	
8-9	.0	.0	2.9	2.0	. 3	.0	5.2	
10-11	.0	.0	.0	.3	.2	.0	.5	
12	.0	.0	.0	. 2	.0	.0	. 2	
13-16	.0	.0	.0	.5	. 3	.0	. 8	
17-19	.0	.0	.0	.2	.0	.0	. 2	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								615
TOT PCT	2.6	33.7	50.4	12.4	1.0	.0	100.0	

PERIOD: (PRIMARY) 1910-1972 (DVER-ALL) 1854-1972

TABLE 1

AREA 0017 CAPE LEEUWIN 33.95 114.6F

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA		
WHO DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPR BLWG BLWG	DUST	ND SIG
N	3.4	4.2	1.0	.0	.0	.0	. 4	9.0	3.0	1.5	. 9	.0	2.5		.0	84.3
NE	3.7	1.6	. 9	.0	.0	.0	.0	6.2	. 9	2.0	1.7	.0	1.7		.0	87.9
E	1.9	2.1	1.0	.0	.0	.0	.0	5.0	1.1	1.3	1.1	*	1.3		*	90.3
SE	1.6	2.7	1.1	.0	.0		. 1	5.4	1.4	. 9	1.5		. 8		*	90.1
S	1.8	5.3	1.3	.0	.0	.0	. 1	8.4	2.3	. 4	. 8		.7		*	87.4
SW	2.5	8.6	1.3	.0	.0		. 1	12.4	3.0	. 6	.6		. 4		.0	83.2
W	3.5	11.2	1.5	.0	.0		. 2	16.2	4.1	.7	. 8	.0	.6		*	77.
NW	5.7	8.6	. 9	.0	.0		. 2	15.4	3.7	1.1	.7	.0	.6		*	79.
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	. 0
CALM	1.9	. 8	2.8	.0	• 0		.0	5.4	2.0	.4	2.2	.0	.4		.0	89.5
TOT PCT TOT DBS:	3.0	6.5	1.2	.0	•0	.0	.1	10.7	2.6	.9	1.0	*	.8		*	84.2

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIU	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	3.2 2.5 3.0 2.9	6.8 5.9 7.0 5.9	1.3 1.0 1.2 1.4	.0	.0	.0	.1 .2 .1	11.4 9.6 11.2 10.2	2.6 3.1 1.9 2.9	1.3 1.8	1.1	.0	1.0	:	83.7 85.5 83.7 84.2
TOT PCT	2.9	6.4	1.2	.0	•0	.0	.1	10.7	2.6	.9	1.0	•	.8	•	84.2

TARLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

											100						
		WIT	IN SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3			22-33		48+	TOTAL	FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.3	1.9	2.0	. 8	. 2			5.1	12.4	6.7	6.6	4.5	5.0	3.8	5.0	4.5	5.0
NE	. 3	2.4	2.2	.5	. 1			5.3	12.0	7.5	6.4	4.4	3.9	3.5	5.0	5.2	6.5
E	.4	3.3	4.3		. 1			9.1	12.7	10.3	9.5	9.4	6.6	7.9	9.6	9.1	10.5
SE	.3	5.2	7.2		. 2			14.7	13.2	13.7	13.2	15.3	14.7	14.5	15.3	16.8	14.3
5	.6	6.6	7.6					17.0	13.5	15.0	15.1	17.0	18.0	19.7	17.6	17.9	15.7
SW	.6	7.0	7.8		. 9	. 1		19.7	15.3	18.9	19.2	19.2	21.1	21.5	19.2	18.7	18.9
W	. 4	4.9	7.0	4.6		. 2		18.5	17.0	17.7	18.4	20.1	20.2	18.7	17.8	17.8	17.7
NW	. 3	2.6	3.6		.6	. 1		9.5	15.8	9.6	10.5	9.7	9.3	9.0	9.1	9.2	10.0
VAR	.0	.0	.0			.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0
CALM TOT DBS	.9						36529	.9	14.9	7122	3981		3156	7204	2826	4228	3315
TOT PCT	4.1	33.9	41.7	16.4	3.6	. 4		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNUTS) 28-40	41+	TOTAL	PCT	MEAN	00	96 06	12	18
						083	FREQ	SPD	03	09	15	21
N	1.0	2.3	1.4	.4			5.1	12.4	6.6	4.7	4.1	4.7
NE	1.2	2.8	1.1	.2			5.3	12.0	7.1	4.2	4.0	5.8
E	1.6	4.6	2.6	.3			9.1	12.7	10.0	8.3	8.4	9.7
SE	2.0	7.7	4.4	.5			14.7	13.2	13.6	15.0	14.8	15.7
5	2.9	8.8	4.5	. 8	. 1		17.0	13.5	15.0	17.4	19.1	16.9
SW	2.9	9.2	5.4	2.0	. 3		19.7	15.3	19.0	20.0	21.0	18.8
W	2.2	6.9	5.8	3.0	. 6		18.5	17.0	17.9	20.1	18.5	17.7
NW	1.3	3.6	2.9	1.5	. 2		9.5	15.8	9.9	9.6	9.0	9.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	. 9						. 9	.0	. 8	. 8	1.2	1.0
TOT DAS						36529		14.9	11103	7853	10030	7543
THT PCT	16.1	45.8	28.1	8.8	1.3		100.0		100.0	100.0	100.0	100.0

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DERIOD:	(PRIMARY)	1910-1972
	(DUES ALL)	

TABLE 4

AREA 0017 CAPE LEEUWIN 33.95 114.6E

DEPCEMTAGE	ERECHENCY	DE	WIND	SPEED	BY	HOUR	(GMT

HOUR	CALM	1-3	4-10			KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL
00603	. 8	3.4	34.6	40.9	16.2	3.7	.5	14.8	100.0	11103
90300	. 8	2.8	32.0	42.8	17.4	3.9	.3	15.3	100.0	7853
12615	1.2	3.3	33.9	40.9	16.7	3.6	.4	14.9	100.0	10030
18821 TOT	1.0	3.1	34.8	42.7	15.2	2.9	. 3	14.5	100.0	7543 36529
DCT	0	3 2	11 9	41 7	14 4	3.6	. 4		100.0	

TABLE 5

TABLE 6

PCI	FREU	O+	CLUUD	(EIGHTHS)

		В	A MINE	DIRFC	TION	
WND DIR	0-2	3-4	5-7	8 & 085Ch	TOTAL	CLOUD COVER
N NE	1.3	.6	1.6	1.1		4.5
E SE	4.3	1.5	2.6	1.5		3.8
SW	4.1	3.2	7.2	3.0		5.2
N W	2.3	3.7	8.9	3.6		5.3
CALM	.0	.0	.0	.1		4.2
TOT OBS	23.7	18.2	39.7	18.4	14129	4.8

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8)

		,	AND DE	CURKEN	CE UP	Nn (3)	0 01 1	IND D	treciti	114	
00	150	300 599	600	1000	2000 3499	3500 4999	5000	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
*	.0	. 1	.3	. 7	.5	. 2	. 1		. 1	2.8	
		*	. 2	.6	.5	. 2	• 1	*		3.5	
*	*	*	. 4	1.1	. 8	.3	• 1		.1	7.0	
		. 2	.7	2.3	1.6	. 8	• 1		.1	9.0	
*		.2	1.1	3.7	2.3	1.0	. 3	. 1	. 1	8.9	
		. 2	1.8	4.2	2.5	1.1	. 3		.1	9.0	
	*	.2	2.1	4.3	2.0	1.0	. 3	.1	.1	8.3	
*		. 1	. 8	1.8	1.1	.6	. 1	*		4.5	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0		*	. 1	. 1	*		.0	.0	. 4	14125
.1	.2	1.0	7.4	18.6	11.4	5.4	1.6	.3	.5	53.6	100.0

TABLE 7

CUMULATIVE PCT FREQ (IF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CFILING	• OR	· DR	= DR	= DR	 OR 	= DR	- OR	· DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	.7	.8	. 8	.8	.8	.8	.8	.8
. DR > 1000	2.0	2.3	2.4	2.4	2.4	2.4	2.4	2.4
■ OR >3500	6.5	7.6	7.7	7.8	7.8	7.8	7.8	7,8
■ DR >2000	16.3	18.6	19.1	19.1	19.1	19.1	19.1	19.1
• OR >1000	31.6	36.6	37.5	37.6	37.6	37.6	37.6	37.6
■ DR >600	36.5	43.4	44.8	44.9	45.0	45.0	45.0	45.0
■ DR >300	36.9	44.2	45.7	45.9	45.9	45.9	46.0	46.0
• OR >150	37.0	44.3	45.8	46.0	46.1	46.1	46.1	46.1
• OR > 0	37.0	64.3	45.9	46.1	46.2	46.2	46.3	46.3

TOTAL NUMBER OF OBS: 14346 PCT FREQ NH 45/81 53.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 10.8 10.9 10.6 10.8 10.3 8.6 10.9 12.3 14.8 .1 15712

PERIOD:	(PRIMARY)	1910-1972
	(DVER-ALL)	1854-1972

TA	-	1	-	0
IA	o	١,	E	. 0

AREA 0017 CAPE LEEUWIN 33.95 114.65

	634-17/2						1.4	ABLE 0					93
		Р	ERCENT	PREC	OF WIN	D DIRE	CTION TH VAR	VS DCC RYING V	URRENÇ ALUES	E OR N	ON-DCC	URRENC	E OF
VSBY (NM)		N	NE	Ε	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP		.0	.0	.0	.0		*		.0	.0	*	
<1/2	NO PCP	.0			*			*		.0		.1	
	TOT X		*	*	*			*		.0	*	. 1	
	PCP							1.		.0	.0	2	
1/2<1	NO PCP	*	*	.1	. 1	. 1	. 1	. 1		.0		.5	
	TOT %	*	• 1	. 1	. 1	. 1	• 1	.1	. 1	.0		.7	
	PCP				*					.0	.0	.2	
1<2	NO PCP		:	. 1	. 1	. 1	.1	. 1		.0	.0	.6	,
	TOT *	• 1	*	. 1	. 1	. 1	• 1	. 1	• 1	.0	.0	.7	1.
	PCP	. 1	*		*	. 1	.1	. 2	. 1	.0	.0	.8	
2<5	NO PCP		*		. 1	. 1	. 2	. 2	.1	.0	.0	. 7	
	TOT %	• 1	• 1	. 1	. 1	. 2	.3	. 4	.3	.0	.0	1.5	
	PCP	.4	. 2	.3	.4	. 8	1.7	2.2	1.2	.0		7.1	
5<10	NO PCP	1.4	1.4	2.7	4.5	4.9	5.8	5.3	2.7	.0	. 1	28.9	
	TOT %	1.9	1.6	2.9	4.9	5.7	7.5	7.5	3.9	.0	. 1	35.9	
	PCP	• 1	• 1	. 1	.2	. 3	.5	.7	.3	.0		2.4	
10+	NO PCP	2.9	3.3	6.1	9.4	10.8	11.3	9.6	4.8	.0	.4	58.6	
	TOT %	3.0	3.4	5.2	9.5	11.1	11.8	10.4	5.1	.0	.4	61.0	

TOT DBS 24818 TOT PCT 5.0 5.2 9.4 14.8 17.3 19.9 18.5 9.5 .0 .6 100.0

TABLE 9

				PERCE	AT FRE	O OF WI	ND DIE	RECTION	VS WI	NO SPE	ED		
								ES DF V					
VSRY (NM)	SPD KTS	N	ΝĘ	E	SE	S	SW	W	NW	YAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
<1/2	4-10	.0		*	*		*		.0	.0			
	11-21	.0			.0	*	*	.0		.0			
	22+		.0			.0	*			.0			
	TOT %			*	*	*	*			.0		.1	
	0-3	.0					*			.0			
1/2<1	4-10		*		*			*		.0		. 2	
	11-22		*	*	*	*				.0		. 2	
	22+	*					*			.0		. 2	
	TOT %		.*	.1	. 1	. 1	.1	.1	. 1	.0	*	.7	
	0-3		.0		.0	*				.0	.0		
1<2	4-10	*	*	*	*	. 1				.0		. 2	
	11-21		*	*	. 1	. 1	*			.0		.3	
	22+				*					.0		. 2	
	TOT %	. 1	*	. 1	. 1	. 1	.1	.1	. 1	.0	.0	.7	
	0-3	.0		.0	.0			.0	.0	.0	.0		
2 < 5	4-10	*				.1	.1			.0		. 3	
	11-21		*		.1	. 1	.1	. 2	. 1	.0		.5	
	22+	.1		*	*	. 1	. 2	. 2	. 2	.0		.7	
	TOT %	. 1	• 1	.1	. 1	. 2	. 3	.4	. 3	.0	.0	1.6	
	0-3	.1	• 1	. 1	.1	.2	.2	. 2	. 1	.0	.1	1.2	
5<10	4-10	. 6	.6	. 9	1.5	1.8	2.1	1.5	. 8	.0		9.8	
	11-21	. 6	.6	1.4	2.2	2.4	2.8	2.7	1.4	.0		14.0	
	22+	. 4	. 2	. 4	.7	. 9	2.0	2.8	1.4	.0		8.6	
	TOT %	1.7	1.5	2.7	4.5	5.2	7.0	7.1	3.7	.0	.1	33.6	
	0-3	. 1	.2	.2	. 2	.3	. 3	. 2	. 1	.0	.5	2.2	
10+	4-10	1.3	1.6	2.3	3.5	4.8	4.9	3.2	1.6	.0		23.3	
	11-21	1.3	1.5	3.1	5.0	5.1	5.0	4.5	2.1	.0		27.7	
	22+	. 4	. 2	. 6	1.1	1.5	2.1	2.8	1.4	.0		10.0	
	TOT *	3.2	3.5	6.2	9.9	11.6	12.3	10.7	5.3	.0	.5	63.3	
	OT DAS												27351
J	OT PCT	5.0	5.2	9.2	14.8	17.3	19.9	18.5	9.4	.0	. 7	100.0	

ANNUAL

(OVER-ALL) 1854-1972	PERIOD:	(PRIMARY) (OVER-ALL)	1910-1972 1854-1972
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TABLE 10

AREA 0017 CAPE LEEUWIN 33.95 114.6F

PERCENT	FREQUENCY	OF	CE	LI	NG	HE I GH	TS	(FEET, NH	>4/81	AND
	DCCUR	REN	ICE	OF	NH	<5/8	BY	HOUR		

HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499				8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.1	. 3	1.2	7.9	19.9	12.3	5.8	2.3	. 3	.6	50.7	49.3	3928
06609	. 2	. 1	. 9	6.8	15.8	10.7	5.1	1.2	. 2	. 3	41.5	58.5	3925
12815	. 2	. 2	. 9	6.6	17.2	9.9	. 4.5	1.5	.2	.6	41.8	58.2	3615
18821	. 1	.0	.6	6.9	17.7	10.5	5.2	1.0	. 3	. 5	42.8	57.2	3553
TOT	•1	.2	. 9	7.1	17.7	10.9	5.2	1.5	.3	.5	44.3	55.7	15021

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)), BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 < 5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	. 1	. 8	.9	1.8	35.5	60.9	7923	60300	.1	1.7	11.6	41.6	46.8	3754
90330	.1	.7	.7	1.4	29.6	67.4	6245	06809	. 2	1.4	9.6	33.9	56.6	3766
12815	• 1	.7	.9	1.7	38.0	58.6	7690	12815	. 2	1.3	9.6	34.7	55.7	3427
18621	. 2	.5	. 4	1.3	31.2	66.5	6125	18821	. 1	. 9	9.1	35.8	55.1	3399
TOT PCT	. 1	.7	.7	1.6	33.9	62.9	27963 100.0	TOT PCT	.1	1.4	10.0	36.6	53.4	14346

			de

					ABLE 1.	,				
	PERCE	ENT FR	EQUENC	Y OF R	ELATIV	HUMI	DITY B	Y TEMP		
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	FRE
85/89	.0	.0	.0	*	.0	.0	.0	.0		
80/84	.0	*	*		*		*	.0		
75/79	.0	. 0		. 1	. 2	. 4	. 1			. 9
70/74			. 1	. 4	1.2	2.0	2.2	. 9		6.8
65/69	.0		.1	1.0	4.5	8.5	8.5	3.8		26.5
60/64	.0		. 2	2.5	10.7	12.9	8.7	3.1		38.1
55/59	.0	*	. 1	1.7	6.0	8.0	5.8	2.0		23.
50/54	.0	.0		. 4	. 9	1.0	1.2	. 4		3.5
45/49	.0	.0	.0	.0						. 1
TOTAL									18450	100.0
PCT	*	. 1	. 6	6.1	23.5	32.9	26.5	10.3	=10000000000000000000000000000000000000	

TABLE 14

	PERCE	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	ЕМЬ	
N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0			.0	.0
*	*				*		.0	.0	.0
*	. 1	. 2	. 2	. 2	. 1	*	*	.0	
. 4	. 6	1.0	1.6	1.3	. 8	.6	. 4	.0	. 1
1.4	1.5	3.5	5.1	4.8	3.8	3.8	2.4	.0	. 2
2.1	1.9	3.0	5.1	5.9	7.6	7.9	4.3	.0	. 3
.9	1.1	1.3	2.1	3.9	6.4	5.7	2.2	.0	
. 1	. 1	. 2	. 2	1.0	1.4	. 7	. 2	.0	.0
.0	• 0	*	•	*			.0	.0	.0
4.9	5.2	9.2	14.5	17.2	20.1	18.6	0.5	- 0	,

TABLE 15

	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TEN	P (DE	G F) 8	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00603	83	73	69	62	57	54 55	46	62.8	1090
12615	85	72	71 59	62	58	54	49	62.6	1005
18621	83	70	67	61	56	54	47	61.7	7650

TABLE 16

	PERC	ENT FRE	BUENCA	OF RELA	INE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	50-69	70-79	80-89	90-100	MEAN	TOTAL
00803	.0	10.5	21.7	33.8	26.7	10.9	76 73	5169
12615	.0	5.6	21.3	32.6	29.4	11.2	76	4935
18821	.0	1288	21.1	32.6	29.2	12.5	77	4306

PERIOD: (PRIMARY) 1910-1972 (DVER-ALL) 1854-1972

TABLE 17

AREA 0017 CAPE LEEUWIN 33.95 114.66

PCT	FREQ	OF	AIR	TEMPERATURE	CDEG	F)	AND	THE	DCCURRENCE	OF	FDG	(WITHOUT	PRECIPITATION)
				VS AIR	-SEA	TE	MPER	TURE	DIFFERENCE	(DEG F)	

												•		
AIR-SEA	45	49	53	57		65	69	73	77	81	85	TOT	W	WD
TMP DIF	48	52	56	60	64	68	72	76	80	84	88		FOG	FOG
14/16	.0	.0	.0	.0	.0	.0		.0		.0	.0	3	.0	
11/13	.0	.0	.0	.0	.0	.0		*	*			22	.0	. 1
9/10	.0	.0	.0	.0		*	*	*	. 1	:	.0	36	.0	. 2
7/8	.0	.0	.0				*	.2	. 1		.0	91		. 4
6	.0	.0	.0			. 1	. 1	. 2	. 1	.0	.0	104		. 5
5	.0	.0	.0		. 1	.2	. 3	. 3	*	.0		202		. 5
4	.0	.0		.1	. 2	.4	. 4	. 3	*	.0	.0	293		1.3
3	.0	.0		.1	.3	.7	. 8	.3	*	.0	.0	518		2.3
2	.0			. 2	.7	1.3	1.1	.3		.0	.0	816	. 1	3.6
1	.0	.0		. 5	1.2	2.0	1.6	. 2	*	.0	.0	1230	. 1	5.5
0	.0	.0	. 1	.9	2.3	3.1	1.7	. 1	.0	.0	.0	1792	.2	8.0
-1	.0		. 2	1.5	3.5	3.8	1.3	*	.0	.0	.0	2264	. 2	10.1
-2	.0	.0	. 4	1.9	4.1	4.0	. 8	*	.0	.0	.0	2445	. 1	11.0
-3	.0		. 5	2.6	4.7	3.4	. 4	.0	.0	.0	.0	2538	.1	11.4
-4	.0		. 8	3.3		1.9	.1	*	.0	.0	.0	2306	. 1	10.5
-5	.0	. 1	. 9	3.7	3.6	1.2	. 1	*	.0	.0	.0	2068	. 1	9.5
-6	.0	. 1	1.1	3.1	2.5	.5	*	*	.0	.0	.0	1552		7.1
-7/-8	.0	. 1	2.2	4.5	2.5	. 3		.0	.0	.0	.0	2067		9.6
-9/-10	.0	.3	1.7	1.8	. 5		.0	.0	.0	.0	.0	937		4.4
-11/-13	.0	. 3	1.0	. 8	. 1		.0	.0	.0	.0	.0	473		2.2
-14/-16		. 1	. 2	. 1		.0	.0	.0	.0	.0	.0	79	.0	. 4
-17/-19	.0			.0	.0	.0	.0	.0	.0	.0	.0	9	.0	
TOTAL												21845		
PCT		1.0	9.2	24.9	30.7	23.0	8.7	2.0	.4		*	100.0	1.1	98.9

PERIND: (DVER-ALL) 1963-1972

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	. 1	.1	.0	.0	.0	.0	. 2	• 1	.4		.0	.0	.0	.5
1-2	*	. 9	. 2	.0	.0	.0	1.2	.1	1.1	.3	.0	.0	.0	1.4
3-4	*	. 6	. 8	. 1	.0	.0	1.4	.0	.6	. 8		.0	.0	1.4
5-6	.0	.1	.7	. 2	• 1	.0	1.0	.0	. 1	. 8	. 1	.0	.0	1.0
7	.0	.0	. 2	. 2	.0	.0	.4	.0	.0	. 2	. 1	.0	.0	.3
8-9	.0	.0		.1		.0	. 2	.0	.0	. 1	. 1		.0	.1
10-11	.0	.0	*	. 1	*	.0	. 1	• 0	.0	.0		.0	.0	
12	.0	.0	.0			.0	*	.0	.0	.0		.0	.0	
13-16	.0	.0	.0	. 1		.0	. 1	.0	.0	.0			.0	.0
17-19	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	
20-22	. 0	.0	.0	.0	.0	• 0	.0	.0	.0	.0		.0	.0	*
23-25	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	• 0	• 0	.0	•0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	• 0	• 0	.0	.0	2.1	.0	.0	.0	.0	4.8
TOT PCT	• 1	1.7	1.9	. 8	• 1	.0	4.6	•2	2.1	2.1	.3	•	.0	4.8
				F							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4		.0	.0	.0	.5	• 1	.5		.0	.0	.0	.6
1-2		1.5	.6	.0	.0	.0	2.1	• 1	2.1	.8	.0	.0	.0	2.9
3-4	.0	1.1	1.7	. 1	.0	.0	3.0		1.6	2.8	. 2	.0	.0	4.6
5-6		. 3	1.8	.3		.0	2.4	.0	. 3	2.8	. 4	.0	.0	3.5
7	.0		. 8	.3		.0	1.2	.0		1.1	.7	•	.0	1.9
8-9	.0	.0	. 2	.2	.0	.0	. 4	.0	.0	. 5	. 3		.0	. 8
10-11	.0	.0	.0	.1		.0	. 1	.0	.0		. 2	. 1	.0	.3
12	.0	.0		. 1	.0	.0	. 1	.0	.0		. 1		.0	. 1
13-16	.0	.0		. 1		.0	. 1	.0			. 1	•	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	. 1
20-22	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0		.0	*	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-50	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
								.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	• 0	.0	• 0							
87+ TOT PCT	.0	3.3	5.2	.0	.0	.0	9.9	.0	4.5	8.1	1.9	.0	.0	15.0

									ANN	UAL							
PERIND:	(DVE	R-ALL)	1963-1	972										AREA		CAPE LE	
								TABLE	18	(CONT)					33.	95 114	.6E
				D.	T FREG D	E WIND		(V T C)	AND	DIREC	TION	VERSIIS	SEA HE16	HTS (FT	Υ		
						F MANU	SPEED	(113)	-110	DINEC			JEA METO		•		
				S									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1	. 2	.8	*	.0	•0	•0	1.1			. 2	3.3	.9	.0	.0	.0	4.3	
1-2	. 1	3.1	.7	.0	.0	.0	4.0			. 1	2.5		.0		.0	5.5	
3-4	*	2.2	3.1	.3	.0	.0	5.7			.0	.6		. 2	.0	.0	4.2	
5-6	.0	. 4	2.9	.6	*	• 0	3.9			.0	.1		.6	. 1	.0		
7		.1	1.1	.7	• 0	• 0	1.8						. 8	. 2		2.1	
8-9	.0	.0	.3	.4	• 1	• 0	. 8			.0	.1		.6	. 2	.0	1.1	
10-11	.0	*	.1	.2	• 1	• 0	. 4			.0		• • •	.3	. 1			
12	.0			. 1	*	• 0	. 1			.0			.1	.1		.2	
13-16	.0	.0	.1	.1	• 0	• 0	. 2			.0	.0		.2	. 1	.0	.4	
17-19	.0		.0	:		.0	. 1			.0	.0		.1	.1	.0	. 1	
20-22	.0	.0	.0		*	• 0	*			.0	.0					.1	
23-25	.0	.0	.0	.0	.0	• 0	.0			.0					.0		
26-32	.0	.0	.0	*	• 0	• 0	*			.0	.0		*	.0	*		
33-40	.0	.0	.0		*	*	*			.0	.0						
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	• 0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	• 0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	• 0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.4	6.6	8.3	2.5	• 2	*	18.0			. 3	7.1	8.2	2.9	. 8	.1	19.4	
				u									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.2	.4	.0	.0	.0	• 0	.6				. 2		.0	.0	.0	. 2	
1-2	. 1	1.9	.8	.0	.0	• 0	2.9			• 1	. 9		.0	.0	.0	1.3	
3-4	.0	1.6	2.2	.3	• 0	•0	4.1				. 8		.2	.0	.0	2.2	
5-6	.0	3	2.6	. 9	. 1	.0	3.9			.0	. 2		. 5		.0	1.9	
7	*	.1	1.1	1.5	. 2	• 0	2.9						.6	.1	.0	1.2	
8-9			.4	. 9	. 2	*	1.5			*	.0	,1	. 5	. 2	.0	.7	
10-11	.0	.0	. 1	.6	.2	.0	.9			.0			.5	. 1	.0	.7	
12			.0	.5	. 2		.8				.0	.0		.1	.0	. 2	
13-16	.0	.0		. 3	• 1		. 4			.0	.0		.1		*	.2	
17-19	.0			.1	• 1		. 3			.0				.1	.0	.1	
20-22	.0	.0	*		• 1		.2			.0	.0					. 1	
23-25	.0	.0		*	.1	.1	.1			.0	.0			.0	.0		
26-32	.0	.0	.0			.0				.0	.0			.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	. 0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.4	4.3	7.3	5.2	1.3	.1	18.7			.1	2.0		2.7	. 5	.1	8.9	99.2
1001		4.3		,		• •											

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.2	3.4	. 1	.0	.0	.0	5.7	004
1-2	.6	14.8	4.7	.0	.0	.0	20.1	
3-4	.1	10.9	15.4	1.5	.0	.0	27.8	
5-6		2.2	15.6	3.6		.0	21.7	
7		. 4	6.0	4.8	.4	.0	11.6	
8-9		. 1	1.8	3.0	.6		5.5	
10-11	.0		. 3	2.0	.6		3.1	
12				1.0	. 4		1.5	
13-16	.0		. 2	1.0	. 3		1.6	
17-19	.0		.1	. 2	. 3		.6	
20-22	.0	.0	.1	.1	. 2	.1	. 4	
23-25	.0	.0			.1	. 1	. 2	
26-32	.0	.0	.0				. 1	
33-40	.0	.0	.0				.1	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
				•				8088
TOT PCT	3.0	31.9	44.3	17.3	3.2	.3	100.0	•

TABLE 20

ERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

			PERCE	NT FKE	OUENCY	DF DC	CURREN	CE OF	SEA TE	MP (DE	G F) B	Y MONT	н	
SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
79/80	.0	. 1	. 1	.0		.0	.0	.0	.0	.0	.0	.0	7	
77/78	. 1	. 3	. 1		. 1		.0	.0	.0	.0	.0	. 1	20	.1
75/76	. 3	. 4	. 9	. 2	. 1	. 1		.0	. 1	.1	.1	. 1	72	. 2
73/74	1.5	3.6	4.6	2.8	1.3	. 4	. 2		• 1	. 1		. 4	447	1.4
71/72	8.6	12.5	13.5	11.6	7.5	2.4	. 7	. 2		. 2	. 3	2.4	1756	5.3
69/70	20.9	29.4	28.6	29.1	22.9	11.8	3.5	1.4	.5	. 4	2.0	10.1	4645	14.1
67/68	35.0	31.2	30.4	28.5	27.9	22.8	12.1	6.1	4.1	4.2	10.4	25.7	6759	20.5
65/66	21.8	14.8	14.9	16.5	20.3	25.8	23.3	17.9	13.1	16.9	28.9	31.6	6746	20.4
63/64	8.8	6.5	5.8	7.9	12.7	20.2	28.1	31.2	31.2	33.6	34.3	19.8	6429	19.5
61/62	1.7	1.1	. 9	2.2	5.4	9.7	17.0	20.9	23.5	22.7	15.8	5.0	3339	10.1
59/60	.7		. 2	. 6	1.2	4.1	9.6	13.1	16.0	13.2	5.7	2.1	1726	5.2
57/58	. 2	.0	. 1	. 4	. 4	1.5	3.9	6.1	7.4	5.9	2.0	.6	736	2.2
55/56	.0	.0	.0	.1	. 1	. 8	1.2	2.3	3.1	1.9	. 5	. 1	258	. 8
53/54	.0	.0	.0	.0	. 1	. 2	.3	.5	.6	.6		.0	52	.2
51/52	.0	.0	.0	.0	.0	*	• 1	. 3	. 3	. 1		.0	18	. 1
49/50	.0	.0	.0	.0	.0	.0	.0	.0		. 1	.0	.0	3	
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	2629	2718	3237	3134	2910	2594	2536	2349	2311	3029	2772	2804	33023	100.0
MEAN	67.4	68.2	68.3	67.8	66.9	65.3	63.6	62.6	62.1	62.5	63.9	65.8	65.3	

TABLE 21

P	R	E	S	S	U	R	E	(M	В	1
		~	-	-	177		-			~	

			ΔV	ERAGE	BY HOU	R (GMT)			
										TOTAL
MD	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	DBS
JAN	1016	1014	1015	1014	1015	1015	1014	1014	1015	1769
FEB	1016	1015	1015	1014	1015	1015	1015	1015	1015	1712
MAR	1017	1017	1016	1016	1017	1016	1016	1016	1016	2186
APR	1018	1019	1017	1018	1018	1018	1017	1018	1018	2143
MAY	1017	1015	1017	1015	1017	1015	1018	1015	1017	2138
JUN	1015	1016	1014	1015	1016	1017	1014	1016	1015	1952
JUL	1017	1018	1016	1017	1017	1017	1017	1015	1017	1701
DUA	1018	1019	1017	1018	1018	1018	1018	1017	1018	1619
SEP	1018	1017	1018	1017	1018	1017	1018	1016	1018	1640
DCT	1016	1016	1017	1016	1017	1017	1017	1016	1017	2041
NOV	1016	1016	1015	1017	1016	1017	1015	1016	1016	1845
DEC	1015	1014	1016	1013	1015	1013	1014	1012	1015	1842
ANN	1017	1016	1016	1016	1017	1016	1016	1016	1016	22588
OBS	4971	1546	4138	1095	4859	988	3878	1113		

PERCENTILES

MD	MIN	1%	5%	25%	50%	75%	95%	99%	МДХ
JAN	996	1003	1007	1012	1015	1018	1023	1027	1031
FER	997	1003	1007	1012	1015	1018	1022	1026	1029
MAR	992	1003	1008	1013	1017	1020	1024	1026	1031
APR	990	1001	1007	1014	1018	1021	1027	1029	1034
MAY	989	997	1002	1011	1017	1023	1028	1031	1035
JUN	987	992	999	1009	1016	1022	1027	1031	1035
JUL	977	996	1001	1011	1018	1023	1030	1032	1037
AUG	988	996	1003	1013	1019	1023	1029	1032	1036
SEP	994	1000	1005	1013	1018	1023	1028	1032	1035
DCT	991	998	1005	1012	1017	1021	1027	1029	1033
NOV	991	1001	1006	1013	1016	1020	1024	1027	1030
DEC	496	1000	1005	1011	1015	1018	1023	1027	1021

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

					Encir	. KE GC	L. C.	, meniner							
			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N NE	.0	.0	.0	.0	.0	.0	.0	.0	12.1	.0	.0	12.1	12.1	.0	63.6
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	.0	.0	1.7	• 0	89.7
S E	.4	.0	.3	.0	.0	.0	.0	1.0	.4	1.3	1.3	.0	2.9	.0	93.2
S W	1.0	2.1	1.0	.0	.0	.0	.0	4.1	.0	3.4	3.8	.0	1.3	.0	91.0
VAR	5.7	.0	.0	.0	.0	.0	.0	5.7	.0	.0	.0	.0	5.7	.0	88.6
CALM	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT TOT OBS:	1242	.5	. 3	.0	• 0	.0	.0	1.3	.3	1.5	1.0	.1	2.9	.0	93.0

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DR7L	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00803 06809 12815 18821	.3 .8 .8	.6 .0 .8	.0 .3	.0	.0	.0	.0	.9 .8 1.9 1.3	.6 .4 .0 .7	.3 .0 2.7 2.6	1.2	.3	2.4 3.3 4.4 2.0	.0	94.7 94.2 90.7 92.1
TOT PCT	1249	.5	.3	.0	.0	.0	.0	1.3	.4	1.5	1.0	.1	3.0	.0	92.8

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.0	.3	• 1	. 1	.0	.0		.5	10.7	4	.9	.6	.0	. 9	.0	.3	. 5
NE	.0	.3	. 3	.0		.0		.6	11.5	1.1	.5	.5	. 8	. 3	1.1	. 3	1.0
E	. 2	.9	1.2	.3		. C		2.5	12.8	4.7	5.0	1.0	. 4	1.3		1.2	
SE	. 3	3.8	15.0	7.6	. 2	.0		26.9	17.7	31.9	28.2	29.8	21.8	21.4	15.2	28.1	29.2
S	. 4	10.6	28.2	10.9	. 8	.0		50.9	16.5	46.1	47.9	51.9	57.5	56.4	50.3	51.7	43.5
SW	. 4	5.7	7.5	1.2		.0		14.9	12.6	13.1	12.8	13.1	17.5	15.2	22.6	14.3	18.5
W	. 1	1.1	. 7	• 1	.0	.0		2.0	11.0	1.2	2.3	1.4	. 4	2.4	2.9	3.3	2.3
NW	. 1	.7	. 5	. 1	.0	.0		1.4	10.7	1.3	2.3	1.7	1.6	1.4	4.8	.0	1.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0
CALM	.4							. 4	.0	. 2	.0	. 3	.0	. 8	.0	.7	. 5
TOT DBS	32	450	1029	391	20	0	1922		15.9	425	109	315	126		94	301	154
TOT PCT	1.7	23.4	53.5	20.3	1.0	.0		100.0		100.0	100.0				100.0		

TABLE 3A

WND DIR	0		SPEED 17-27	(KNUTS)		TOTAL	PCT	MEAN	00	HDU!		
MAD DIK	0-6	7-16	11-21	28-40	41+						12	18
						DBS	FREQ	SPD	03	09	15	21
N	.2	. 2	.1	.0	.0		.5	10.7	.5	.5	. 8	.2
NE	. 2	. 2	. 2	.0	.0		.6	11.5	. 9	. 3	. 4	.5
E	. 5	1.1	. 7	. 1	.0		2.5	12.8	4.8	. 8	1.6	2.4
SE	. 9	9.5	14.5	2.1	.0		26.9	17.7	31.2	27.5	20.2	28.5
S	2.3	23.8	20.7	4.1	.0		50.9	16.5	46.5	53.5	55.2	49.0
SW	1.7	9.4	3.6	. 2	.0		14.9	12.6	13.0	14.3	16.6	15.7
W	. 5	1.1	. 3	.1	.0		2.0	11.0	1.5	1.1	2.5	3.0
NW	. 4	. 8	. 2	.0	.0		1.4	10.7	1.5	1.7	2.0	.3
VAR	.0	.0	.0	.0	.0		.0	• 0	.0	.0	.0	.0
CALM	.4			• • •			.4	.0	.2	.2	.6	.4
TOT DPS	136	887	776	123	0	1922		15.9	534	441	492	455
THT PCT	7.1	46.1	40.4	6.4	.0		100.0			100.0	100.0	100.0

. 1			

PERIOD: (PRIMARY) 1923-1969 (OVER-ALL) 1857-1969

TABLE 4

4REA 0018 PERTH NW 29.95 112.8E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	#IND	SPEFD (KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL
00603	. 2	1.1	28.3	52.6	17.6	.2	.0	15.1	100.0	534
90300	. 2	. 9	21.8	53.1	22.9	1.1	.0	16.3	100.0	441
12615	. 6	1.6	20.9	53.5	21.7	1.6	.0		100.0	492
18621	. 4	1.5	22.0	55.2	19.6	1.3	.0		100.0	455
TOT	7	25	450	1029	391	20	0	15.9		1922
PCT	.4	1.3	23.4	53.5	20.3	1.0	.0	,	100.0	1.22

TABLE 5

P	CT FRE			D DIRFO		(EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN	G HEIG	HTS (FT, NH 2	4/8) 3N	
WND DIR	0-2	3-4	5-7	8 & 0850n	TOTAL	CDVER CDVER	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	. 1	. 2	.5	.0		4.7	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.4	
NE	. 2	.0		. 1		4.0	.0	.0	.0	.0	. 1	.0	.0	.0	.0	. 0	. 2	
E	1.1	. 1	. 3	. 1		2.1	.0	.0	.0	.0	.1	.0	.0	• 1	.0	- 1	1.4	
SE	15.5	4.1	6.6	2.0		2.8	. 1	.0		.5	2.6	1.9	. 7	. 3	.1	. 3	21.7	
S	24.2	9.8	14.8	4.5		3.4	.1	.0	.6	1.9	5.8	4.1	1.9	. 7	. 1	. 2	37.8	
SW	4.2	2.7	3.9	1.1		3.8	.0	.0	. 3	. 7	1.6	. 5	. 4	. 2	.0	.0	8.3	
W	. 7	. 7	.4	. 3		3.7	.0	.0	.0	. 2	. 2	.1	. 1	.0	.1	.0	1.4	
NW	.4		.7	. 1		4.6	.0	.0	.0	.0	. 3	. 2	.0	.0	.0	.0	.6	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	414	157	240	73	854	2.5	.0	•0	.0	30	98	.0	27	10	.0	.0	540	884
TOT PCT	46.8	17.8	27.1	8.3	100.0		. 2	.0	. 9	3.4	11.1	6.8	3.1	1.2	.3	.6	72.4	100.0

TABLE 7

CUMULATIVE	PCT FR	FQ 0F	SIMULT	ANEDUS	DCCURRENC
OF CEILIN	G HEIG	HT IN	H >4/8)	AND V	SBY (NM)

				VSBY IN	1)			
CEILING	■ DR	• OR	= DR	= OR	= OR	- DR	- DR	 DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
■ DR >4500	.8	. 9	.9	. 9	. 9	.9	.9	. 9
■ DR >5000	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
■ DR >3500	4.7	5.1	5.2	5.2	5.2	5.2	5.2	5.2
■ DR >2000	10.5	11.8	12.0	12.0	12.0	12.0	12.0	12.0
■ DR >1000	20.5	22.8	23.0	23.0	23.0	23.0	23.0	23.0
■ DR >600	22.8	26.3	26.5	26.5	26.5	26.5	26.5	26.5
■ DR >300	23.2	26.9	27.4	27.4	27.4	27.4	27.4	27.4
 OR >150 	23.2	26.9	27.4	27.4	27.4	27.4	27.4	27.4
- DR > 0	23.3	27.1	27.5	27.5	27.6	27.6	27.6	27.6
TOTAL	207	240	244	244	245	245	245	245

TOTAL NUMBER OF OBS: 687 PCT FREG NH <5/81 72.4

TABLE 7A

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085CD 085 24.9 17.9 11.2 9.2 7.9 5.6 8.1 8.8 6.5 .1 968

		Y

								JA	NUARY					
ERIND:	(PRIMARY) (DVER-ALL)	1923-1969 1857-1969						TA	BLE 8				ARE	A 0018 PERTH NW 29.95 112
			PF	RCENT	PREC	OF WIN	IDN MI	CTION TH VAR	VS DCC YING V	URRENC ALUES	E DR N	IBILI	CURRENC	E DF
	VSBY (NM)		N	NE	E	SE	5	SW		NW	VAR	CALM	PCT	TOTAL
		PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	1/24	NO PCP	.0	.0	.0	. 1	. 2	.0	.0	.0	.0	.0	. 3	
		TOT %	.0	.0	.0	. 1	. 2	.0	.0	.0	.0	.0	.3	
		PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	1<2	NO PCP	• 0	.0		. 8	. 7	• 1	.0	.0	.0	.0	1.7	
		TOT %	• 0	.0		.8	.7	• 1	.0	.0	.0	.0	1.7	
		PCP	•0	• 0	.0	.0	.1	• 1	.0	.0	.0	.0	.2	
	2<5	ND PCP	.0	.0	.0	.2	. 3	.0	.1	.0	.0	.0	.6	
		TOT %	.0	.0	.0	.2	. 3	• 1	• 1	.0	.0	.0	.7	
		PCP	.0	.0		.1	. ?	.6	.0	.1	.0	.0	1.0	
	5<10	NO PCP	. 1	. 1	. 6	5.4	14.0	4.8	.6	. 4	.0	.0	26.0	
		TOT %	• 1	• 1	.6	5.5	14.2	5.4	.6	. 4	.0	.0		
		PCP	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	
	10+	NO PCP	. 5	.3	1.7	17.9	36.8	9.9	1.4	1.0	.0	.5	70.0	
		TOT *	.5	. 3	1.7	17.9	37.0	9.9	1.4	1.0	.0	.5	70.2	
		TOT DBS												1240
		TOT PCT	. 7	. 4	2.4	24.5	52.5	15.5	2.1	1.4	.0	.5	100.0	

<1/2	0-3				SE	S	SW	*		VAR	CALM		DBS	
<1/2		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	. 1	.0	.0	.0	.0	.0		. 1		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	.0	.0	.1	. 2	.0	.0	.0	.0		. 2		
	11-21	.0	.0	.0	.0	. 1	.0	.0	.0	.0		.1		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	•0	.0	. 1	. 2	.0	.0	.0	.0	.0	.3		
	0-3	.0	.0	.0	. 1	. 1	.0	.0	.0	.0	.0	.2		
1<2	4-10	.0	.0	*	. 2	. 1	. 1	.0	.0	.0		. 5		
	11-21	.0	.0	.0	.5	.6	. 3	.0	.0	.0		1.4		
	22+	.0	.0	.0	. 1	. 8	. 1	.0	.0	.0		1.0		
	TOT %	.0	.0		1.0	1.6	.5	.0	.0	.0	.0	3.1		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	4-10	.0	.0	.0			.0	.0	.0	.0		. 1		
	11-21	.0	.0	.0	.1	. 2	. 1	. 1	.0	.0		. 4		
	22+	.0	.0	.0			.0	.0	.0	.0		.1		
	TOT %	.0	.0	.0	. 2	.3	.1	.1	.0	.0	.0	.5		
	0-3	.0	.0	.1		. 1	.1	.0	. 1	.0	.1	.4		
5<10	4-10	. 1		. 3	.6	2.7	2.4	.4	. 3	.0		6.9		
	11-21	.0	• 1	. 3	3.8	8.8	2.6	. 2	. 2	.0		15.8		
	22+	.0	.0	.1	2.5	4.4	. 2	. 1	.0	.0		7.3		
	TOT %	. 1	• 1	.7	6.9	16.1	5.2	.7	. 5	.0	.1	30.4		
	0-3	.0	.0	.0	. 2	. 2	.1		.0	.0	.4	1.0		
10+	4-10	. 2	. 1	.6	2.6	7.6	3.3	.6	. 3	.0		15.4		
	11-21	. 1	. 2	. 8	10.4	18.6	4.5	. 4	. 3	.0		35.3		
	22+	. 1	.0	. 2	5.5	7.2	8.7	.1	. 1	.0		13.9		
	TOT \$.4	. 3	1.6	18.7	33.7	8.7	1.1	. 8	.0	.4	65.6		
1	OT DAS	.5	.4	2.3	26.9	51.8	14.4	1.9	1.3	.0		100.0	1672	

PERIOD: (PRIMARY) 1923-1969 (DVER-ALL) 1857-1969

TABLE 10

AREA 0018 PERTH NW 29.95 112.8F

PERCENT FREQUENCY OF CELLING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150	300 599	999	1000	2000 3499	3500 4999	5000 6499		8000+	TOTAL	NH C5/8 ANY HGT	TOTAL
00603	. 8	.0	1.2	3.6	18.8	9.2	2.8	1.6	.0	.8	36.6	61.2	250
06609	.0	.0	1.9	3.3	7.0	5.1	2.8	1.4	.5	. 5	22.4	77.6	214
12815	.0	.0	.4	3.0	9.4	5.5	3.4	. 9	.0	.4	23.0	77.0	235
18821	.0	.0	.0	3.4	6.0	6.0	2.6	.9	.9	.4	20.1	79.9	234
TOT	2	0	8	31	98	61	27	11	.3	.5	246	687 73.6	933

TABLE 11

TABLE 12

		PERCENT	FREQUENC	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL QBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
60300	.0	.4	3.2	. 4	29.2	66.7	466	00803	.8	2.1	6.8	34.6	58.6	237
06609	.3	.5	4.0	.5	30.2	64.4	374	06809	.0	2.5	6.4	17.6	76.0	204
12815	.0	.2	3.6	.7	33.3	62.2	447	12615	.0	.4	3.6	20.0	76.4	225
18621	.0	.3	1.5	.5	29.1	68.7	399	18621	.0	.0	4.1	17.5	78.3	221
TOT	1	6	52	9	514	1104	1686	TOT	2	11	46	202	639	887

TABLE 13

TABLE 14

																-				
	PERC	ENT FRI	EQUENC	Y OF R	ELATIVE	HUM1	ITY B	Y TEMP	TOTAL	PCT		PERCE	NT FR	EQUENC	Y"DF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	\$	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	• t	.0	.0	.0	.0	1	.1	0	.0	.0		.1	.0	.0	.0	.0	.0
80/84	.0	.0	. 2	.0	.0	. 2	. 3	.0	13	1.1	0	. 1	. 1	. 3	. 5	. 1	.0	. 1	.0	.0
75/79	.0	.0	.1	. ,	1.2	5.0	3.0	.4	115	9.8	1	. 1	. 4	3.1	4.3	. 9	. 1	.6	.0	. 2
70/74	.0		.0	1.3	3.7	13.2	19.0	8.5	534	45.6	4	. 1	1.1	12.3	23.7	6.3	. 9	. 8	.0	. 1
65/69	.0		.0	.9	6.5	12.6	14.9	5.5	474	40.5	0	.0	. 4	9.8	22.8	6.6	. 8		.0	. 1
60/64	.0	.0	.0	.1	1.3	. 5	. 8	.3	34	2.9	0	.0	.0	. 6	1.6	.6	. 1	.0	.0	.0
TOTAL	0	0	3	30	155	367	444		1171	100.0										
PCT	.0	.0	.3	2.6	13.2	31.3	37.9	14.7			5	. 3	2.0	26.1	52.9	14.5	1.8	1.5	.0	. 3

TARLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	AP (DE	(F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOU	4
HOUR (GMT)	мдх	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	85	82	77	70	65	63	62	70.6	519	00603	.0	3.1	16.6	28.4	37.5	14.4	79	320
06609	85	83	78	72	67	64	63	72.2	429	90300	.0	6.2	15.8	43.5	26.9	7.7	76	260
12615	84	79	77	70	65	64	62	70.2	485	12615	.0	1.3	12.3	27.4	41.3	17.7	80	310
18821	78	75	74	69	64	63	61	69.0	448	18621	.0	1.7	7.9	27.7	44.2	18.5	81	292
TOT	85	81	77	70	65	63	61	70.5	1881	rar	0	35	155	370	447	175	79	1182

JANUARY

PERIOD: (PRIMARY) 1923-1969 (OVER-ALL) 1857-1969

TABLE 17

AREA 0018 PERTH NW 29.95 112.8F

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCUPRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

61	65	69	73	77	81	85	TOT	W	WD
64	68	72	76	80	84	88		FOG	FOG
.0	.0	.0	.0	. 2	.3	. 1	6	.0	.6
.0	.0	.0	.0	. 1	. 4		6		.6
.0	.0	.0	. 1	. 2	. 3	.0	6	.0	.6
		.0	. 3	.4	.0		7		.7
.0	. 2	. 2	1.1	. 7	.0	.0	22	.0	2.2
.0	.0	. 3	1.6	. 8	.0	.0	27	. 1	2.5
.0	.3	1.2	2.5	. 7	.0	.0	48	.0	4.7
. 1	. 4	3.0	3.2	. 2	.0		71		6.9
. 2	1.3	6.0	3.2	. 2	.0		111		10.8
.1	1.9	10.5	3.5	. 1	.0	.0	164	. 2	15.9
. 1	4.0		1.0	.0	.0	.0	155	.0	15.2
. 4	5.9	6.3	.2	.0	.0	.0	130	. 1	12.6
.3	5.1	4.5	. 8	.0	.0	.0	109	.0	10.7
1.2	3.7	2.4	. 2	.0	.0	.0	77	.0	7.5
. 3	3.2	.5	. 1	.0		.0	42	.0	4.1
. 1	1.5	. 2	.0	.0		.0	18	.0	1.8
.4	.7	. 2	.0	.0	.0	.0	13	.0	1.3
. 2	. 3	.1	.0		.0	.0	6	.0	.6
.0	. 3	.0	.0	.0	.0	.0	3	.0	. 3
34		464		36		2		6	1015
	293		182		10		1021		
3.3	28.7	45.4	17.8	3.5	1.0	. 2	100.0	. 6	99.4
	.00 .00 .00 .00 .00 .00 .11 .12 .13 .13 .14 .22 .00 .34	04 08 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 0 0 0 0 3 1 1 4 0 4 5 0 9 3 5 1 1 1 5 7 2 3 3 2 2 3 3 3 4	64 68 72 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .3 .6 .0 .1 1.9 10.5 .1 4.0 10.5 .1 4.0 10.5 .1 4.0 10.5 .1 4.0 10.5 .1 4.0 10.5 .1 4.0 10.5 .2 1.3 3.7 2.4 .3 3.2 .5 .1 1.5 .2 .4 .7 .2 .2 .3 .1 .0 .3 464	64 68 72 76 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .0 .0 .0 .3 1.6 .0 .2 .2 1.1 .0 .0 .3 1.2 2.5 .1 .4 3 0 3.2 .2 1.3 6.0 3.2 .1 1.9 10.5 3.5 .1 4.0 10.1 1.0 .4 5.9 6.3 .2 .1 3 5.1 4.5 8.2 .2 3.7 2.4 .2 .3 3.7 2.4 .2 .3 3.7 2.4 .2 .1 1.5 .2 .0 .4 .7 .2 .0 .2 .3 .1 .0 .34 293 182	04 68 72 76 80 .0 .0 .0 .0 .0 .1 .0 .0 .0 .1 .0 .0 .0 .1 .2 .0 .0 .0 .1 .2 .0 .0 .0 .3 1.6 .8 .0 .3 1.6 .3 1.6 .3 .1 .4 3.0 3.2 .2 .1 1.9 10.5 3.5 .1 .4 010.1 1.0 .0 .4 5.9 6.3 .2 .0 .3 5.1 4.5 18 .0 .3 3.2 .5 .1 .1 1.5 .2 .0 .0 .4 5.9 .3 .2 .5 .1 1.5 .2 .0 .0 .3 3.2 .5 .1 .0 .4 5.9 .3 .3 .2 .1 1.5 .2 .0 .0 .3 3.2 .5 .1 .0 .4 5.9 .3 .3 .2 .5 .1 1.5 .2 .0 .0 .4 .7 .2 .0 .0 .4 .7 .2 .0 .0 .4 .7 .2 .0 .0 .5 .3 .3 .0 .0 .0 .6 .3 .0 .0 .0 .6 .3 .0 .0 .0 .7 .2 .3 .1 .0 .0 .8 .2 .3 .1 .0 .0 .9 .3 .3 .0 .0 .0 .0 .3 .3 .0 .0 .0 .0 .3 .3 .0 .0 .0 .0 .3 .3 .0 .0 .0 .0 .3 .0 .0 .0 .3 .0 .0 .0 .0 .3 .0 .0 .0 .0 .3 .0 .0 .0 .0 .3 .0 .0 .0 .0 .3 .0 .0 .0 .0 .3 .0 .0 .0 .0 .3 .0 .0 .0 .0 .3 .0 .0 .0 .0 .3 .0 .0 .0 .0 .3 .0 .0 .0 .0 .3 .0 .0 .0 .0 .3 .0 .0 .0 .0 .3 .0 .0 .0 .0 .3 .0 .0 .0 .0 .3 .0 .0 .0 .0 .0	64 68 72 76 80 84 .0 .0 .0 .0 .0 .2 .3 .0 .0 .0 .0 .1 .4 .0 .0 .0 .0 .1 .4 .0 .0 .0 .0 .3 .0 .0 .0 .0 .3 .0 .0 .0 .3 .4 .0 .0 .0 .3 1.6 .8 .0 .0 .2 .2 117 .0 .0 .3 1.2 2.5 .7 .0 .1 .4 3.0 3.2 .2 .0 .1 1.9 10.5 3.5 .1 .0 .4 5.9 6.3 .2 .2 .0 .1 4.0 10.1 10 .0 .0 .4 5.9 6.3 .2 .0 .0 .3 5.1 4.5 8 .0 .0 .2 3.7 2.4 .2 .0 .0 .1 1.5 2.2 .0 .0 .1 1.5 2.2 .0 .0 .1 1.5 2.2 .0 .0 .2 .3 1.0 .0 .0 .3 3.2 .5 1 .0 .1 1.5 2.0 .0 .0 .2 .3 1.0 .0 .0 .3 3.2 .5 1 .0 .0 .0 .0 .0 .3 3.2 .5 1 .0 .0 .1 1.5 2.0 .0 .0 .2 .3 1.0 .0 .0 .3 3.2 .5 1 .0 .0 .3 3.2 .5 1 .0 .0 .0 .3 3.0 .0 .0 .0 .0 .3 3.0 .0 .0 .0 .0 .3 3.0 .0 .0 .0 .0 .3 3.0 .0 .0 .0 .0 .3 3.1 .0 .0 .0 .0 .3 3.1 .0 .0 .0 .0 .0 .3 3.0 .0 .0 .0 .0 .3 3.0 .0 .0 .0 .0 .3 3.0 .0 .0 .0 .0 .3 3.0 .0 .0 .0 .0 .3 3.0 .0 .0 .0 .0 .3 3.1 182	64 68 72 76 80 84 88 .0 .0 .0 .0 .0 .2 .3 .1 .0 .0 .0 .0 .1 .4 .1 .0 .0 .0 .0 .1 .4 .1 .0 .0 .0 .0 .3 .1 .4 .1 .0 .0 .0 .0 .3 .2 .3 .0 .0 .0 .0 .3 1.6 .8 .0 .0 .0 .3 1.2 2.5 .7 .0 .0 .1 .4 3.0 3.2 .2 .0 .0 .1 1.9 10.5 3.5 .1 .0 .0 .4 5.9 6.3 .2 .0 .0 .0 .4 5.9 6.3 .2 .0 .0 .0 .3 5.1 4.5 8.0 .0 .0 .1 2 3.7 2.4 .2 .0 .0 .0 .2 3 3.2 .5 .1 .0 .0 .1 1.5 2 .0 .0 .0 .0 .1 1.5 2 .0 .0 .0 .0 .2 .3 3 .2 .5 .1 .0 .0 .1 1.5 2 .0 .0 .0 .0 .2 .3 3 .0 .0 .0 .0 .0 .3 3 .2 .5 .1 .0 .0 .0 .1 1.5 2 .0 .0 .0 .0 .0 .2 .3 3 .0 .0 .0 .0 .0 .0 .3 3 .0 .0 .0 .0 .0 .0 .3 3 .0 .0 .0 .0 .0 .0 .3 3 .0 .0 .0 .0 .0 .0 .3 3 .0 .0 .0 .0 .0 .0 .3 3 .0 .0 .0 .0 .0 .0 .3 3 .0 .0 .0 .0 .0 .0 .0 .3 4 46 88	64 68 72 76 80 84 88 .0 .0 .0 .0 .0 .0 .2 .3 .1 6 .0 .0 .0 .0 .1 .4 .1 6 .0 .0 .0 .0 .1 .2 .3 .0 6 .0 .0 .0 .3 .4 .0 .0 7 .0 .2 .3 1.6 .8 .0 .0 22 .0 .0 .3 1.6 .8 .0 .0 22 .1 .3 1.2 2.5 .7 .0 .0 48 .1 .4 3.0 3.2 2. 0 .0 7 .1 .4 3.0 3.2 2. 0 .0 7 .1 1.9 10.5 3.5 1 0 0 104 .1 1.9 10.5 3.5 1 0 0 104 .1 1.9 10.5 3.5 1 0 0 0 104 .3 5.1 4.5 .8 0 0 0 0 109 .2 3.7 2.4 .2 0 0 0 0 109 .2 3.7 2.4 .2 0 0 0 0 0 109 .2 3.7 2.4 .2 0 0 0 0 0 109 .2 3.7 2.4 .2 0 0 0 0 0 120 .2 1.1 1.5 2.2 0 0 0 0 0 120 .2 1.1 1.5 2.0 0 0 0 0 0 130 .2 2 3 1 0 0 0 0 0 0 13 .2 3 1 0 0 0 0 0 0 0 13 .2 3 1 0 0 0 0 0 0 0 3 .3 4 464 36	64 68 72 76 80 84 88 FDG .0 .0 .0 .0 .0 .2 .3 .1 6 .0 .0 .0 .0 .0 .1 .4 .1 6 .0 .0 .0 .0 .0 .1 .4 .1 6 .0 .0 .0 .0 .0 .1 .2 .3 .0 6 .0 .0 .0 .0 .3 .4 .0 .0 .0 22 .0 .0 .0 .3 1.6 .8 .0 .0 27 .1 .0 .3 1.2 2.5 .7 .0 .0 48 .0 .1 .4 3.0 3.2 2 .0 .0 71 .1 .2 1.3 6.0 3.2 2 .0 .0 71 .1 .1 1.9 10.5 3.5 .1 .0 .0 164 .2 .1 4.0 10.1 1.0 .0 .0 155 .0 .4 5.9 6.3 .2 .0 .0 1330 .1 .3 5.1 4.5 .8 .0 .0 .0 .0 159 .0 .1 2 3.7 2.4 .2 .0 .0 .0 129 .1 .1 1.5 .2 .0 .0 .0 .0 129 .1 .1 1.5 .2 .0 .0 .0 .0 .1 .1 1.5 .2 .0 .0 .0 .0 .1 .2 .3 3.2 .5 .1 .0 .0 .0 .0 .1 .2 .3 3.1 .0 .0 .0 .0 .0 .1 .2 .3 3.1 .0 .0 .0 .0 .0 .1 .2 .3 3.0 .0 .0 .0 .0 .0 .1 .2 .3 3.0 .0 .0 .0 .0 .0 .0 .0 .2 .3 3 .0 .0 .0 .0 .0 .0 .0 .0 .2 .3 3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .2 .3 3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .2 .3 3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

PERIOD: (DVER-ALL) 1963-1969

TABLE 18
PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

34-47 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 223-25 23-25 23-25 23-32 33-40 41-48 49-60 61-70 71-86 87+ 1-3 11-21 1-3 48+ SE 22-33 .00 .60 1.27 1.3 .7 .7 .7 .0 .0 .0 .0 .0 HGT <1 1-2 3-4 45-6 7 8-9 10-11 12 13-16 17-19 22 33-25 26-32 33-40 41-48 49-60 61-70 71-86 HGT PCT 1-3 48+ 11-21 2.3 3.9 5.7 2.5 5.4 .0 .0 .0 .0 .0 .0 34-47 PCT .2 5.3 7.3 3.2 2.0 .9 .7 1.1 .0 .2 .0 .0

PERIOD: (OVER-ALL) 1963-1969

JANUARY TABLE 18 (CONT)

AREA 0018 PERTH NW 29.95 112.8E

PCT FREO DF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				PC	T FREO D	F WIND	SPEED	(KTS) A	NO DIREC	TIUN V	EK202 2	EA HEIG	HTS (FT)			
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PET	
<1	. 3	. 6	.0	.0	.0	.0	1.0		.0	. 8	.0	.0	.0	.0	. 8	
1-2	. 2	6.3	2.3	.0	.0	.0	8.8			2.4	1.4	.0	.0	.0	3.8	
3-4	.0	2.4	10.1	1.6	.0	.0	14.1		.0	1.6	2.5	. 1	.0	.0	4.2	
5-6	.0	1.5	9.7	4.4	.0	.0	15.6		.0		1.0	. 1	.0	.0	1.2	
7	.0	. 2	2.5	4.0	.6	.0	7.3		.0	.0	. 4	. 4	.0	.0	. 8	
8-9	.0	.0	1.4	2.2	. 2	.0	3.8		.0	.0		. 2	.0	.0	. 2	
10-11	.0	. 2	.3	1.4	. 5	.0	2.4		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.1	.9	.0	.0	1.0		.0	.0		.0	.0	.0		
13-16	.0	.0	.0	. 4	. 1	.0	.6		.0	.0	.0		.0	.0		
17-19	.0	.0	.0	.0	. 2	.0	. 2		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.1	.0	.0	.0	. 1		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.2	.0	.0	.0	. 2		.0	.0	.0	.0	.0	.0	.0	
24-32	.0	.0	.0	.0	.2	.0	. 2		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	. 5	11.3	26.7	14.9	1.8	.0	55.2			4.8	5.4	. 9	.0	.0	11.1	
				W						4-10		NW 22-33			PCT	TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	.0	11-21		34-47	48+		PCI
<1	.0	.2	.0	.0	•0	• 0	.2		.0	.0	.0	.0	.0	.0	.0	
1-2	. 1	.2	.0	.0	.0	.0	.3		.0	.4	.6	.0	.0	.0	1.0	
3-4	.0	.7	1.1	.0	.0	.0	1.8			.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.1	.3	.0	.0	- 1		.0	.0	.0	.0	.0	.0	.4	
7	.0	.0	.0	.0	.0	.0	. 3		.0	.0	.0	.4	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	
				.0	.0	.0			.0	.0	.0			.0	.0	
20-22	.0	.0	.0	.0		.0	.0			.0		.0	.0			
23-25	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0		•0	.0	.0		.0		.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60					.0	.0	.0		.0		.0	.0	.0	.0	.0	
	.0															
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0	.0	.0											99.4

	WIND	SPEED	(KT5)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.0	1.9	.0	.0	.0	.0	2.9	
1-2	. 8	12.0	6.0	.0	.0	.0	18.8	
3-4	.0	5.4	18.8	2.3	.0	.0	27.5	
5-6	.0	2.1	16.8	5.8	.0	.0	24.8	
7	.0	. 2	5.4	6.2	.6	.0	12.4	
8-9	.0	. 2	1.9	3.7	. 2	.0	6.0	
10-11	.0	. 2	. 8	1.7	.6	.0	3.3	
12	.0	.0	. 2	1.5	.0	.0	1.7	
13-16	.0	.0	.0	1.2		.0	1.7	
17-19	.0	.0	.0	.0	.2	.0	.2	
20-22	.0	.0	. 2	.2	.0	.0	.4	
23-25	.0	.0	. 2	.0	.0	.0	. 2	
26-32	.0	.0	.0	.0	.2	.0	.2	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								517
TOT PET	1.7	23.0	50.3	22.6	2.3	.0	100.0	

PERIOD: (DVER-ALL) 1949-1969

TABLE 19

PERCENT PREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) TOTAL MEAN HGT 170 5 232 7 172 8 82 8 11 12 14 5 7 743 7 100.0 3-4 5-6 7.4 5.4 4.3 8.7 1.7 4.2 7 2.0 .0 .3 .0 .0 .9 .9 112 160 15.1 21.5 7 8-9 10-11 <1 .0 .0 .0 .0 .0 .0 .0 .0 .0 1.5 1.1 5.0 2.8 4.2 2.6 1.7 1.3 .3 .7 .3 .5 1.5 100 76 13.5 10.2 2.4 7.8 6.5 2.7 .4 .3 1.6 161 21.7 3.5 .0 .0 .0 .0 .3 30 4.0

FERRUARY

PERIOD: (PRIMARY) 1922-1969 (DVER-ALL) 1880-1969

TABLE 1

ARE4 0018 PERTH NW 29.95 112.8E

PERCENT FREQUENCY	OF	WEATHER	OCCURRENCE	BY	WIND	DIRECTION
-------------------	----	---------	------------	----	------	-----------

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N	.0	7.1	14.3	.0	.0	.0	.0	21.4	.0	.0	.0	.0	.0	.0	78.6
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.5	.0	.0	.0	.0	89.5
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	.0	.0	.0	94.7
SE	. 0	.7	. 1	.0	.0	.0	.0	1.4	.5	. 5	1.1	.0	4.0	.0	92.5
S	.5	.7	. 5	.0	.0	.0	.0	1.7	.6	. 7	1.2	.0	4.8	.0	90.9
SW	.2	3.0	.0	.0	.0	.0	.0	3.2	1.5	. 7	1.7	.0	5.6	.0	87.3
W	2.9	10.3	2.9	.0	.0	.0	.0	16.2	.0	.0	.0	.0	5.9	.0	77.9
NW	.0	3.5	.0	.0	.0	.0	.0	3.5	• 0	14.0	14.0	.0	.0	.0	68.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	• 0	25.0	25.0	.0	.0	.0	50.0
TOT PCT TOT DBS:	1211	1.4	.4	.0	•0	.0	.0	2.3	.7	.9	1.7	.0	4.4	•0	90.1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				PECINI	TAT	N TYPE					OTHER	WEATHER	PHEND	MENA		
				KECIPI	14110	NITPE					011121	HEATTIER	ricito	ic.iv.		
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMJKE	SPR BLWG BLWG	DUST	ND SIG WEA
00803 06809 12815 18821	.0	2.4 2.2 .6	.0	.0	.0		.0	3.7 2.9 1.1 1.7	.3 .7 .0	.0 .4 .9 2.7	2.0 2.2 1.4 1.0	.0	5.1 5.4 5.4		.0	88.8 88.5 91.2 91.7
TOT PCT TOT OBS:	1223	1.4	.4	.0	•0	.0	.0	2.3	.7	1.0	1.6	.0	4.3		.0	90.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	ots)								HOUR	(GMT)				
MNO DIE	0-3			22-33		48+	TOTAL	FREQ	SPD	00	03	06	09	12	1.5	18	21	
N	.2	. 3	.0	• 1	.1	.0		.6	10.8	.3	.9	1.0	1.2	. 5	. 4	.0	. 3	
NE	. 2	. 5	. 2	*	.0	.0		. 9	7.9	1.0	. 4	1.1	.0	. 5	.9	1.4	1.2	
E	. 2	1.9	1.5	. 9	.0	.0		4.4	12.8	6.7	7.3	6.1	1.8	1.7	1.8	4.9	3.3	
SE	. 5	6.2	16.3	6.3	. 3	.0		29.6	16.1	35.1	26.3	31.8	27.6	23.8	16.4	35.0	29.8	
S	.6	10.8	25.2	7.7	. 2	.0		44.6	15.1	37.0	41.8	44.9	44.4	51.8	51.5	42.4	44.8	
SW	. 3	6.9	7.8	. 8	. 2	.0		16.0	12.2	16.2	17.5	11.5	20.5	16.8	26.3	12.8	16.2	
W	.3	1.4	. 9	.1	.0	.0		2.7	9.5	2.1	5.3	2.3	2.4	3.4	2.6	1.5	3.5	
NW	. 1	.7	. 2	.0	.0	.0		.9	7.2	.9	. 4	1.1	1.5	1.0	.0	1.4	. 0	
VAR	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5	
CALM	.5	••			• • •	••		.5	.0	. 8	.0	. 3	.6	. 3	.0	. 7	. 5	
TOT OBS	55	566	1025	311	14	0	1971		14.5	378	113	342	165	398	114	295	165	
TOT PCT	2.8	28.7	52.0		. 7	.0		100.0				100.0	100.0		100.0			

TABLE 34

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN	00	06 09	12 15	18
								3.0	0.0		.,	
N	.3	. 2	.1	.1	.0		.6	10.8	.4	1.1	.6	. 1
NE	.4	.4	. 1	.0	.0		. 9	7.9	. 9	. 7	. 7	1.3
E	. 9	2.2	1.1	. 2	.0		4.4	12.8	6.8	4.7	1.7	4.3
SE	2.0	13.1	12.9	1.5	.0		29.6	16.1	33.1	30.4	22.2	33.1
5	4.0	21.2	18.1	1.2	.0		44.6	15.1	38.1	44.7	51.7	43.3
SW	2.7	9.9	3.0	. 3	. 1		16.0	12.2	16.5	14.4	18.9	14.0
w	. 9	1.5	. 2		.0		2.7	9.5	2.8	2.3	3.2	2.3
NW	. 5	.3	. 1	.0	.0		. 9	7.2	. 8	1.2	. 6	. 9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.5						. 5	.0	. 6	.4	.2	. 7
TOT DES	240	963	702	65	1	1971		14.5	491	507	512	461
TOT PCT	12.2	48.9	35.6	3.3	. 1		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1922-1959 (OVER-ALL) 1880-1969

TABLE 4

AREA 0018 PERTH NW 29.95 112.8E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED	(KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DBS
00603	.6	3.1	31.0	51.9	12.8	.6	.0	13.9	100.0	491
90300	.4	2.2	27.8	51.3	17.0	1.4	.0	14.8	100.0	507
12615	. 2	2.0	25.4	54.7	17.6	. 2	.0	15.0	100.0	512
18621	.7	2.2	31.0	49.9	15.6	.7	.0	14.1	100.0	461
TOT	9	46	566	1025	311	14	0	14.5		1971
PCT	. 5	2.3	28.7	52.0	15.8	.7	.0		100.0	

TABLE

	, AULE																	
	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS! BY WIND DIRFCTION MEAN							,					CEILIN NH <5/					
WND D	R 0-2	3-4	5-7	8 & 085CD	TOTAL DBS	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999		NH <5/8 ANY HGT	
N	.2	.0	.4	.0		4.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	. 5	
NE	.5	. 2	. 1	. 1		3.0	.0	.0	.0	.0	. 1	. 1	.0	• 0	.0	.0	. 7	
E	4.2	. 5	1.0	. 4		2.0	.0	.0	.0	.0	.5	. 2	.0	.0	.0	.0	5.5	
SE	18.4	3.5	7.5	3.0		2.8	. 1	. 1	. 1	.6	2.4	2.0	1.4	.6	. 2	. 4	24.4	
5	21.4	7.8	11.4	3.0		3.1	.0	.0	. 2	1.7	4.8	2.0	1.4	1.1	. 1	.0	32.3	
SW	3.9	3.1	4.5	1.1		4.0	.0	.0	.0	. 4	2.9	. 4		. 4	.0	.0	8.4	
w	.3	.5	.7	.4		5.0	.0	.0	.0	. 2	. 3	. 2	. 1	• 1	.0	.0	1.1	
NW	.3	.4	.4	. 4		5.1	.1	.0	.0	.0	. 4	. 2	.0	.0	.0	.0	. 8	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2		.0	.0		1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 4	
TOT O	85 412	135	216	70	833	3.1	2	1	3	26	95	42	24	18	3	3	516	833
TOT P		15.2	25.9	8.4	100.0		.2	• 1	.4	3.1	11.4	5.0	2.9	5.2	. 4	.4	73.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CFILING	= DR	- DR	= DR	= OR	= DR	· DR	• DR	· DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR >6500	.7	. 8	. 8	.8	. 8	.8	.8	.8
DR >5000			3.0	3.0	3.0	3.0	3.0	3.0
			5.9	5.9	5.9	5.9	5.9	5.9
	9.3	10.9	11.0	11.0	11.0	11.0	11.0	11.0
DR >1000	17.8			22.2	22.2	22.2	22.2	22.2
				25.4	25.4	25.4	25.4	25.4
				25.7	25.7	25.7	25.7	25.7
				25.8	25.8	25.8	25.8	25.8
				26.1	26.1	26.1	26.2	26.2
TOTAL	176	212	217	218	218	218	219	219
	OR >6500 OR >5000 OR >3500 OR >2000 OR >1000 OR >600 OR >300 OR >150 OR > 0	(FEFT) >10 DR >5000	(FEET) >10 >5 OR >65000 7.7 8 OR >55000 2.2 3.0 OR >35000 4.8 5.9 OR >2000 9.3 10.9 OR >10100 17.8 21.7 OR >600 20.5 24.8 OR >300 20.8 25.1 OR >150 20.9 25.2 OR > 0 21.1 25.4	R >6500	CFILING = DR = DR = DR = DR 0R 0R 0R 0R 0R 0R 0R	CFILING = OR = OR = OR = OR = OR 21/2 OR CFEET) >10 >5 >2 >1 21/2 CR >6500	CFILING = DR • DR = DR • DR • DR • DR • DR (FEET) >10 >5 >2 >1 >1 >1/2 >1/4 DR >6500	CFILING = OR = O

TOTAL NUMBER OF OBS: 836

PCT FREQ NH <5/81 73.8

TABLE 7A

PERCENTAGE FREQ DF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	ÖBSCD	DBS
		11.1								

F	R	R	H	٨	R	Y

							FEB	RUARY							
(PRIMARY) 1 (DVER-ALL) 1							TAI	BLE 8				ARE	A 0018	PERT	H NW 112.8E
		PE	RCENT						URRENCE				E OF		
VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL		
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	. 1			
	TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	. 1	. 1			
	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1/2/1	NO PCP	.0	.0	.0	. 0	*	.0	.0	.0	.0	.0	.1			
1/2/1	TOT %	.0	.0	.0	*		.0	.0	.0	.0	.0	.1			
	1111 %	• 0	• 0	.0			.0	.0	• •	• 0	.0	. 1			
	PCP	.0	.0	.0	. 2			.0	.0	.0	.0	. 2			
1<2	NO PCP	.0	.0	.0	. 2	1.4	. 7	.0	.1	.0	.0	2.5			
	TOT %	.0	.0	.0	.4	1.4	. 8	.0	. 1	.0	.0	2.7			
	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
2<5	NO PCP	.0	.0	.0	. 8	. 5	• 1	.0	.0	.0	.0	1.4			
	TOT #	.0	• 0	.0	. 8	. 5	• 1	.0	.0	.0	.0	1.4			
	PCP	.1	•0	.0	.2	.6	.5	.4		.0	.0	1.9			
5<10	NO PCP		• 1	. 8	6.4	10.1	6.4	1.2	. 2	.0	.0	25.3			
	TOT %	• 2	• 1	. 8	5.6	10.7	6.9	1.6	. 2	.0	.0	27.2			
	PCP	•0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.2			
10+	NO PCP	. 4	. 7	3.9	20.3	32.0	8.9	1.1	. 8	.0	. 2				
•	TOT %	. 4	. 7	3.9	20.3	32.1	8.9	1.2	. 8	.0	. 2				
	TOT OBS												1207		
	TOT PCT	. 6	. 8	4.6	28.2	44.8	16.7	2.8	1.1	.0	.3	100.0	2005(30)		
										1000		180 C.			

TABLE 9

.0	.00	.00	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	.0 .0 .0 .0 .0 .0 .1 .1 .3 1.5 .2 .1	.00.00.00.00.00.00.00.00.00.00.00.00.00	.0	.0	000000 000000 00000	.1	.1 .0 .0 .1 .1	DRS
.0	.0 .0 .0 .0 .0 .0 .0 .0	.0	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	.0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	.0 .0 .0 .0 .0 .1 .0 .1 .0 .4 .3 .1	.00000000000000000000000000000000000000	.0	0000 00000 0000	.1	.0 .0 .1 .1 .0 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2	
.0	.0 .0 .0 .0 .0 .0 .0	.0	.0	.0 .0 .0 .1 .0 .1 .1 .3 1.5 .2	.0 .0 .0 .1 .0 .1 .0 .1 .0 .4 .3 .1	.00	.0 .0 .0 .1 .0 .0 .1 .0 .0 .1 .0		.0	.0 .0 .1 .0 .1 .1 .0 .2 .2 .2 .2 .2 .2 .2 .2 .2	
.00	.0 .0 .0 .0 .0 .0	.00	.0 .0 * .0 .0 * .1 .2 .4 .3	.0 .0 .1 .0 .1 .3 1.5 .2	.0 .0 .0 .1 .0 .1 .0 .4 .3 .1	.00	.0	.00	.0	.0 .1 .0 .1 .0 .2 .2 .2 .2 .2 .2 .2 .2 .2	
.0	.0 .0 .0 .0 .0 .0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
.0	.0 .0 .0 .0 .0	.0	.0 .0 .0 .0 .1 .2 .4 .3	.0 .1 .0 .1 .3 1.5 .2	.0 .1 .0 .1 .0 .4 .3 .1	.0	.0	.00000	.0	.0 .1 .1 .0 .2 .2 .2 .1 .1 2.2	
.0	.0 .0 .0	.0	.0 .0 .1 .2 .4 .3	.1 .1 .3 1.5 .2	.0 .1 .0 .4 .3 .1	.0	.0	.0	.0	.2	
.0	.0 .0 .0	.0	.0	.1 .1 .3 1.5 .2	.0 .1 .0 .4 .3 .1	.0	.0	.0		.2	
.0	.0 .0 .1 .0 .0	.0	.1 .2 .4 .3	.0 .1 .1 .3 1.5	.0	.0	.0	.00000		.0 .2 .2 1.1 2.2	
.0	.0 .1 .0 .0	.0	.1 .2 .4 .3	.1 .3 1.5	.0 .4 .3 .1	.0	.1	.0		.2	
.0	.0 .1 .0	.0	.1	.1 .3 1.5	.0	.0	.1	.0		1.1	
.0	.1 .0 .0	.0	.4	1.5	.4	.0	.1	.0	.0	2.2	
.0	.0 .1	.0	.4	1.5	.3	.0	.1	.0		2.2	
.0	.0	.0	.4	. 2	. 1	.0	.0	.0		2.2	
.0	• 1									.6	
.0				2.1	- 8	1					
						. 1	. 1	.0	.0	4.1	
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	.0	.0	. 1	.0	.0	.0	.0	.0		. 1	
.0	.0	.0	. 4	. 4	. 1	.0	.0	.0		.9	
.0	.0	.0	. 3	.3	.0	.0	.0	.0		.5	
.0	.0	.0	. 8	. 7	. 1	.0	.0	.0	.0	1.6	
	.0	.1	. 1	.3	. 1	.1		.0	. 1	.8	
. 1	. 1	. 4	1.0	3.0	2.7	.5	. 1	.0		8.0	
.0		. 3	5.0	6.5	3.7	. 8	. 1	.0		16.4	
										4.7	
. 2	.1	. 9	8.0	12.0	7.1	1.4	. 2	.0	. 1	29.9	
.1	. 1	. 2	- 4	. 3	. 2	.1	.0	.0	. 3	1.7	
. 2			4.3	6.9		. 8				17.9	
		1.2									
						. 1					
. 3	.6	3.3	20.0	29.9	8.0	1.2	. 6	.0	. 3	64.1	
	.0 .2 .1 .2 .0 .0	.0 .0 .1 .1 .1 .2 .4 .0 .1 .0 .0 .3 .6	.0 .0 .1 .9 .1 .2 .2 .4 1.1 .0 .1 .2 .0 .0 .7 .3 .6 3.3	.0 .0 .1 1.9 .2 .1 .9 8.0 .1 .1 .2 .4 .2 .4 1.1 4.3 .0 .1 1.2 11.1 .0 .0 .7 4.1 .3 .6 3.3 20.0	.0 .0 .1 1.9 2.2 .2 .1 .9 8.0 12.0 .1 .1 .2 .4 .3 .2 .4 1.1 4.3 6.9 .0 .1 1.2 11.1 17.3 .0 .0 .7 4.1 5.4 .3 .6 3.3 20.0 29.9	.0 .0 .1 1.9 2.2 .5 .2 .1 .9 8.0 12.0 7.1 .1 .1 .2 .4 .3 .2 .4 1.1 4.3 6.9 3.6 .0 .1 1.2 11.1 17.3 3.9 .0 .0 .7 4.1 5.4 .4 .3 .6 3.3 20.0 29.9 8.0	.0 .0 .1 1.9 2.2 .5 .0 .2 .1 .9 8.0 12.0 7.1 1.4 .1 .2 .4 .3 .2 .1 .2 .4 .3 .6 .8 .0 .1 .1 .1 .2 .1 .1 .1 .7 .3 .9 .2 .1 .3 .0 .0 .7 4.1 5.4 .4 .1 .3 .6 3.3 20.0 29.9 8.0 1.2	.0 .0 .1 1.9 2.2 .5 .0 .0 .0 .2 .1 .9 8.0 12.0 7.1 1.4 .2 .1 .1 .2 .4 .3 .2 .1 .0 .2 .4 1.1 4.3 6.9 3.6 .8 .6 .0 .0 .1 1.2 11.1 17.3 3.9 .20 .0 .0 .7 4.1 5.4 .4 .1 .0 .3 .6 3.3 20.0 29.9 8.0 1.2 .6	.0 .0 .1 1.9 2.2 .5 .0 .0 .0 .0 .0 .2 .1 .9 8.0 12.0 7.1 1.4 .2 .0 .0 .1 .1 .2 .4 .3 .2 .1 .0 .0 .0 .2 .4 1.1 4.3 6.9 3.6 .8 .6 .0 .0 .0 .1 1.2 11.1 17.3 3.9 .2 .0 .0 .0 .7 4.1 5.4 .4 .1 .0 .0 .0 .3 .6 3.3 20.0 29.9 8.0 1.2 .6 .0	.0 .0 .1 1.9 2.2 .5 .0 .0 .0 .0 .1 .1 .9 8.0 12.0 7.1 1.4 .2 .0 .1 .1 .1 .2 .4 .3 .2 .1 .0 .0 .3 .2 .4 1.1 4.3 6.9 3.6 .8 .6 .0 .0 .1 1.2 11.1 17.3 3.9 .2 . 0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0 .1 1.9 2.2 .5 .0 .0 .0 .4.7 .2 .1 .9 8.0 12.0 7.1 1.4 .2 .0 .1 29.9 .1 .1 .1 .2 .4 .3 .2 .1 .0 .0 .3 1.7 .2 .4 1.1 4.3 6.9 3.6 .8 .6 .0 .1 17.9 .0 .1 1.2 11.1 17.3 3.9 .2 .4 .0 .33.8 .0 .0 .0 .7 4.1 5.4 .4 .1 .0 .0 10.7

PERIOD: (PRIMARY) 1922-1969 (OVER-ALL) 1880-1969

TABLE 10

AREA 0018 PERTH NW 29.95 112.8E

PERCENT PREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND

					UC	CURREN	CE OF	1411	0 0. 1	UOR			
HOUR (GMT)	000	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.9	.5	.0	3.3	11.7	7.5	3.8	1.9	.5	.5	30.5	69.5	213
06809	.0	.0	.4	2.6	8.2	2.6	4.3	2.6	.0	.4	21.1	78.9	232
12815	.5	.0	. 5	3.3	13.1	1.9	1.4	1.9	. 5	.0	23.0	77.0	213
18621	.0	.0	.4	2.6	9.9	7.3	1.3	1.7	.9	.4	24.5	75.5	233
TOT PCT	.3	.1	.3	26	95 10.7	4.8	2.7	18	.4	.3	220	671 75.3	891 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	((MM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
£0300	. 2	.5	5.3	1.2	28.6	64.2	419	60300	1.0	1.5	5.9	26.7	67.3	202
90360	.0	.5	3.4	2.2	28.5	65.5	417	06809	.0	.5	4.1	18.7	77.2	219
12615	.0	.0	5.6	1.3	35.6	57.6	450	12815	.5	1.0	5.0	19.6	75.4	199
18821	.3	•0	1.8	1.5	27.1	69.3	398	18821	.0	.5	5.1	21.8	73.1	216
TOT PCT	2	.2	68	26	507 30.1	1077	1684	TOT PCT	.4	.8	5.0	181	613 73.3	836 100.0

TABLE 13

				TABL	E 14				
	PERCE	NT FR	EQUENC	Y OF W	IND DIE	RECTION	BY TE	40	
N	NE	E	SE	S	SW	W	NW	VAR	CALM
*		. 2	.6	.6	.3	.1	. 1	.0	.0
1	. 3	2.0	6.9	5.8	1.7	. 4	. 2	.0	. 2
2	. 4	2.1	14.7	23.7	8.4	1.2	. 5	.0	. 3
2 2 0	.0	. 3	6.4	13.7	5.5	1.3	.2	.0	.0
0	.0	. 1	.6	. 2	. 4	.0	.0	.0	.0
0	.0	.0	.0			.0	.0	.0	.0

.5 .7 4.7 29.2 44.1 16.5 2.9 1.0 .0 .4

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP TOTAL PCT
TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS FREQ 24 2.0 209 17.6 609 51.3 328 27.7 15 1.3 1 .1 118c 100.0 .0

				TAF	LF 15									TABLE	16			
	MEANS,	EXTREM	ES AND	PERCEN	ITILES	OF TE	MP (DE	G F) E	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	2
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	86 85	82 82	78 80	71 73	66	64	61	71.6	480 480	£0300 90300	.0	3.2	13.9	31.8	34.6	16.4	79 75	280
12815	85	81	77	71	66	64	63	71.2	507	12615	.0	1.9	9.0	30.7	42.5	15.8	80	322
18621	81 86	78 81	76 78	70 71	65	64	59	70.2	1931	18621	.0	35	12.2	385	434	177	79	1197

FEBRUARY

PERIOD: (PRIMARY) 1922-1969 (OVER-ALL) 1880-1969

TABLE 17

AREA 0018 PERTH NW 29.95 112.8E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	57	61	65	65	73	77	81	8.5	TOT	4	WD
TMP DIF	60	64	68	72	76	80	84	88		FOG	FOG
14/16	.0	.0	.0	.0	.0	.0	. 3	.0	3	.0	.3
11/13	.0	.0	.0	.0	. 2	.0	. 1	. 1	3	.0	. 4
9/10	.0	.0	.0	.0	. 1	. 3	. 3	. 2	9	.0	.9
7/8	.0	.0	.0	. 1	. 2	. 4	.6	.0	13	. 2	1.1
6	.0	.0	.0	.0	. 3	. 7	.0	.0	10	.0	1.0
6	.0	.0	. 1	. 3	. 4	. 7	. 3	.0	18	.0	1.8
4	.0	.0	. 1	. 2	2.4	1.0	. 1	.0	38	. 1	3.6
4	.0	.0	. 3	. 8	4.1	1.3	. 1	.0	67	. 2	6.4
1 0	.0	.0	. 1	1.8	4.8	1.1	. 1	.0	80	.1	7.8
1	.0	.0	.6	4.6	5.2	1.0	.0	.0	116	. 4	11.0
0	.0	.0	1.3	8.1	3.8	. 4	.0	.0	138	. 1	13.5
-1	.0	.0	2.0	8.5	3.0	. 3	.0	.0	139	. 2	13.5
-2	.0	.0	3.7	7.0	1.5	. 1	.0	.0	125	. 1	12.2
-3	.0	.0	3.9	5.6	. 9	.0	.0	.0	106	.0	10.4
-4	.0	. 5	3.3	3.3	.1	. 1	. 1	.0	76	. 2	7.3
-5	.0	.3	1.7	1.5	.0	.0	.0	.0	35	. 1	3.3
-6	.0	- 1	. 7	. 9	.0	.0	.0	.0	17	.0	1.7
-7/-8	.0	. 7	. 8	. 2	. 1	.0	.0	.0	18	.0	1.8
-9/-10	.0	.0	. 1	.0	.0	.0	.0	.0	1	.0	. 1
-11/-13	. 1	. 1	.0	.0	.0	.0	.0	.0	2	.0	. 2
-14/-15	.0	. 1	.0	.0	.0	.0	.0	.0	1	.0	.1
TOTAL	1		190		275		20			17	999
		18		435		74		3	1016		
PCT	. 1	1.8	18.7		27.1	7.3	2.0	. 3	100.0	1.7	98.3

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

5-6	.0	.0	.0	.0	.0	.0	. C	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.0	.0	.0	. 2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.7	.0	.0	.0	.0	.7	.0	.5	.2	.0	.0	.0	. 7
101 701	.0	• •			•0	•0	• '	•						
				E				1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT							
<1	. 2	.0	.0	.0	• 0	.0	. 2	.5	3.3	.0	.0	.0	.0	1.1
1-2	.0	1.3	.7	.0	.0	.0	2.0	.0	1.4	2.0	.0	.0	.0	5.3
3-4	.0	. 2	.6	.0	.0	.0	. 8	.0		3.2	. 2	.0	.0	4.8
5-5	.0	.0	.7	.0	.0	• 0	. 7	.0	. 2	7.0	2.0	.0	.0	9.2
7	.0	.0	. 2	1.6	.0	.0	1.8	.0	. 3	3.5	3.0	.0	.0	6.8
8-2	.0	.0	.0	. 2	.0	.0	. 2	.0	.0	.1	2.5	. 4	.0	3.0
10-11	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	. 4	.0	.0	. 4
12	.0	. 0	.0	. 2	.0	.0	. 2	.0	.0	.0	. 1	.0	.0	. 1
9-15	+0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0
7-19	.0	.0	.0		.0	.0	.0	.0	.0	.0	.2	.0	.0	. 2
10-72	×0	. 0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
7-25		.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0
10-12		. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(Aung)		. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
111-18		. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		-0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		- 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-59		. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		1.7	7.2	2+1	.0	.0	6.0	.5	5.7	15.7	8.4	. 4	.0	30.8

252500 (0050	1012 1018	FEBRUARY	tort cale protection
PERIOD: (OVER-ALL)	1903-1969	TABLE 18 (CONT)	AREA OO18 PERTH NW 29.95 112.8E
		PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEI	GHTS (FT)

					s							SW				
	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
	<1	. 4	.6	. 2	.0	.0	• 0	1.2	. 2	. 2	.0	.0	.0	.0	. 4	
	1-2	. 2	6.1	1.1	.0	.0	.0	7.4	.0	2.6	. 5	.0	.0	.0	3.1	
	3-4	.0	2.4	8.5	.0	.0	.0	10.9	.0	. 9	1.8	.0	.0	.0	2.7	
	5-6	.0	. 2	12.4	4.1	.0	.0	16.6	.0	. 1	3.4	.0	.0	.0	3.5	
	7	.0	. 4	2.7	2.9	.0	.0	6.0	.0	.0	. 7	. 1	.0	.0	. 8	
	8-9	.0	.2	.6	. 4	• 2	.0	1.4	.0	.0	. 1	.0	.0	.0	. 1	
	10-11	.0	.3	.0	1.2	.0	.0	1.5	.0	. 1	.0	.0	.0	.0	. 1	
	12	.0	.0	.0	. 4	.0	.0	. 4	.0	.0	.0	.0	.0	.0	.0	
	13-16	.0	.0	. 2	.4	.0	.0	. 7	.0	.0	.0	.0	.0	.0	.0	
	17-19	.0	.0	.0	.2	.0	.0	. 2	.0	.0	.0	.0	.0	.0	.0	
	20-22	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	26-32	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	33-40	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
	41-48	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	
	49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	87+	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1	TOT PCT	.6	10.2	25.6	9.6	• 2	• 0	46.3	• 2	3.9	6.5	. 1	.0	.0	10.7	
					W							NW				TOTAL
	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
	<1	.0	.2	.0	.0	• 0	.0	. 2	.0	1.1	.0	.0	.0	.0	1.1	
	1-2	.0	1.1	.4	.0	.0	.0	1.5	.0	.6	.0	.0	.0	.0	.6	
	3-4	.0	.2	. 2	.0	.0	.0	.4	.0	.0	. 1	.0	.0	.0	. 1	
	5-6	.0	.0	. 2	.0	.0	.0	. 2	.0	.0	.0	.0	.0	.0	.0	
	7	.0	. 2	. 2	.0	.0	.0	. 4	.0	.0	. 2	.0	.0	.0	. 2	
	8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	
	10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	
	12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	17-19	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	
	20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	26-32	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	33-40	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
	41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
									.0	.0	.0	.0	.0			
	49-60	.0	.0	.0	.0	• 0	• 0	.0					. 0	.0	.0	
	61-70	.0	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
	61-70 71-86			.0	.0					.0						
	61-70	.0	.0	.0	.0	• 0	• 0	. C	.0	.0	.0	.0	.0	.0	.0	

	WIND	SPEFD	(KT5)	VS SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.6	2.9	. 2	.0	.0	.0	4.7	003
1-2	. 2	15.6	4.7	.0	.0	.0	20.5	
3-4	.0	5.4	14.3	.2	.0	.0	19.9	
5-6	.0	. 4	23.7	6.0	.0	.0	30.1	
7	.0	. 9	7.8			.0	16.3	
8-9	.0	. 2	.7		. 7	.0	4.7	
10-11	.0	. 4	.0	1.6		.0	2.0	
12	.0	.0	.0	.7	.0	.0	. 7	
13-16	.0	.0	. 2	. 4	.0	.0	.7	
17-19	.0	.0	.0	. 4	.0	.0	. 4	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	• 0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+				.0	.0	.0		
07+	• 0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.8	25.9	51.6	20.1	.7	.0	100.0	448

PERIOD: (OVER-ALL) 1949-1969 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) PFRIGO (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 3-4 5-6
6.3 4.0
4.7 10.0
.9 3.4
1 1.8
0 .7
.0 .3
2.5 1.2
99 145
14.5 21.3 87+ TOTAL
.0 141
.0 208
.0 147
.0 76
.0 32
.0 14
.0 63
.0 581
.0 100.0 MEAN HGT 4 6 8 8 9 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 1.0 .0 .0 .0 .0 .0 .0 1-2 6.0 .7 .4 .1 .0 .0 .6 .54 7.9 1.6 .9
7.3 3.4
6.0 3.5
2.3 3.1
1.2 .9
1.1 .9
148 87
21.7 12.8 2.8 4.4 1.8 .9 .1 .0 71 .0 .1 .4 .0 .3 .0 .3 .8 .0 .000000000 .000000000 000000000 .00.0000000 .1 .6 1.2 1.2 .6 .4 .4 .0 .000000000 .0 .3 .9 1.3 .7 .1 .3 .1 26 3.8

TABLE 1

AREA 0018 PERTH NW 29.95 112.7E

PERCENT ERECHENCY	nF.	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

				Р	ERCEN.	TFREQU	ENCY	F WEATHER	UCCURRENCE	BY WI	ND DIR	ECTION			
			P	RECIPI	TATIU	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N	4.2	.0	16.9	.0	.0	.0	.0	21.1	.0	4.2	.0	.0	16.9	.0	57.7
NE	1.6	.0	.0	.0	.0	.0	.0	1.6	.0	8.1	.0	.0	9.7	.0	80.6
E	3.1	1.1	.0	.0	.0	.0	.0	4.2	.0	1.1	. 6	.0	1.7	.0	92.5
SE	1.2	.4	.3	.0	.0	.0	.0	1.9	.0	1.0	. 7	.0	2.3	.0	94.3
S	. 7	. 5	. 6	.0	.0	.0	.0	1.8	• 1	1.1	1.5	.0	4.3	.0	91.1
SW	. 3	1.6	1.0	.0	.0	.0	.0	2.9	. 1	1.6	1.3	.0	1.4	.0	92.7
W	.0	4.6	. 9	.0	.0	.0	.0	5.5	1.8	1.8	6.4	.0	1.8	.0	82.6
NW	.0	1.5	.0	.0	.0	.0	.0	1.5	2.9	2.9	1.5	.0	.0	.0	91.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	93.3
TOT PCT	1.0	.8	.7	.0	• 0	.0	.0	2.5	. 2	1.3	1.4	.0	3.1	.0	91.7

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00803 06809 12815 18821	1.0 .9 .2 2.0	1.2	.8 1.5 .5	.0	•0	.0	.0	2.0 3.6 1.7 3.5	.5	.8 .0 .7 3.8	2.1 2.4 .9	.0	2.8 4.6 2.8 2.6	.0	93.6 89.7 92.5 89.2
TOT PCT TOT OBS:	1.0	.8	.8	•0	•0	.0	.0	2.6	. 2	1.3	1.4	.0	3.2	.0	91.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			22-33		48+	TOTAL	PCT	MEAN SPD	00	03	06	HOUR 09	(GMT)	15	18	21	
N	. 2	.5	• 1	*	.0	.0		.9	8.4	1.5	1.4	9	.5	.4	.7	. 9	. 7	
NE	. 1	.7	. 3		.0	.0		1.1	8.8	1.6	1.7	1.4	. 3	.5		1.0		
E	. 2	2.4	2.2	.6	.0	.0		5.4	12.1	9.2	10.2		2.7	3.7	3.9	3.7	5.5	
SE	. 4	6.2	18.3	8.4	. 8	.0		34.1	17.3	40.7	29.0	37.5	31.0	28.8	26.8	34.3	35.3	
S	. 4	10.0	22.6	5.2	. 3	.0		38.5	15.0	32.1	38.3	37.7	37.9	45.1	43.4	38.9	35.8	
SW	. 5	6.0	6.2	. 8	. 1	.0		13.6	12.0	9.3	12.4	12.7	21.6	15.3	17.7	11.9	13.4	
W	. 3	1.7	1.4	.2	.0	.0		3.6	10.8	3.2	2.6	2.6	3.8	3.5	5.0	4.6	4.5	
NW	.2	1.1	. 7	.1	.0	.0		2.1	9.7	1.6	4.5	2.2	1.8	1.8	1.1	2.5	2.5	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	.0	.0	.0	. 0	
CALM	.7	.0	• 0			• •		. 7	.0	.4	.0		. 5	. 8	7	1.9	. 5	
TOT DBS	73	401	1245	371	29		24.02		14.7	499	145	413	197	485	141	310	212	
		684				0	2402		17.									
TOT PCT	3.0	28.5	51.8	15.4	1.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

	0	2	Δ

WND DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN \$PD	00	06 09	12 15	18 21
N	.5	. 2	.2	.0	.0		. 9	8.4	1.4	.8	.5	. 8
NE	.4	.6	. 1		.0		1.1	8.8	1.6	1.0	.6	1.1
E	1.4	2.7	1.2	.1	.0		5.4	12.1	9.4	3.8	3.7	4.5
SE	1.9	13.9	14.7	3.5	. 1		34.1	17.3	38.1	35.4	28.3	34.7
5	3.3	19.2	14.2	1.9			38.5	15.0	33.5	37.8	44.7	38.0
SW	2.4	7.9	3.0	.2	.0		13.6	12.0	10.4	15.5	15.8	12.5
4	1.1	1.9	.6	.1	.0		3.6	10.8	3.1	3.0	3.9	4.5
NW	. 8	1.1	. 2		.0		2.1	9.7	2.2	2.1	1.6	2.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	. 7						. 7	• 0	.3	. 7	. 8	1.3
TOT DBS	300	1139	820	141	2	2402		14.7	644	610	626	1.3
TOT PCT	12.5	47.4	34-1	5.9	. 1		100.0		100.0	100.0	100.0	100.0

MARCH

PERIND: (PRIMARY) 1921-1971 (OVER-ALL) 1855-1971

TABLE 4

AREA 0018 PERTH NW 29.95 112.7E

PERCENTAGE	FREQUENCY	DF	WIND	SPEED	BY	HOUR	(GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (KNOTS) 34-47	48+	MEAN	PCT	DES
00603	.3	3.0	31.5	50.3	13.8	. 8	.0	14.3	100.0	644
90300	.7	1.8	24.8	55.6	15.6	1.6	.0		100.0	610
12615	. 8	1.6	28.0	52.1	16.6	1.0	.0		100.0	626
18621	1.3	2.9	29.3	49.0	15.9	1.5	.0	14.4	100.0	522
TOT	18	55	684	1245	371	29	0	14.7		2402
PCT	.7	2.3	28.5	51.8	15.4	1.2	.0		100.0	

TABLE 5

TABLE 6

Р	CT FRE			D DIREC		EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTA
N	.3	.0	.2	.2		4.4	.0	.0	.0	.0	. 2	. 1	.0	.0	.0	.0	.5	
NE	.5	. 2	. 5	.1		4.1	.0	.0	.0	. 1		. 1	.0	.0	.1	.0	. 9	
E	3.5	. 5	1.1	. 3		2.4	.0	.0	.0	.0	. 2	. 2	. 2	.0	. 1	. 1	4.6	
SF	15.9	6.1	9.7	2.9		3.3	.0	.0	. 1	1.5	3.5	2.9	1.1	. 2	. 2	. 2	24.9	
S	16.0	7.5	13.0	3.1		3.6	.0	.0	.1	1.4	4.1	3.1	1.5	. 8	. 1	. 3	28.2	
SW	3.9	2.8	4.5	1.1		4.1	.0	.0	. 2	.6	1.7	1.5	. 9	. 2	.0	. 2	6.9	
W	.5	. 4	1.7	. 3		5.4	.0	.0	. 1	. 1	. 5	.6	. 1	. 1	.0	. 1	1.3	
NW	. 7	.3	.9	. 1		4.1	.0	.0	.0	. 1	. 4	.0	. 1	.0	.0	.0	1.3	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM TOT DBS	1.0	167	296	76	933	2.2	.0	.0	.0	36	99	80	36	12	.0	• 1	1.2	93
TOT PCT	42.2	17.9	31.7	8.1	100.0		.0	.0	.4	3.9	10.6	8.6	3.9	1.3	.5	1.0	69.9	100.

TABLE 7

CUMULATIVE	PCT	FREO	DF	SIMULTANEOUS	DCCURRENCE
				1 >4/8) AND V	

				VSBY (NM	1)			
CEILING	• OR	- UR	= OR	= OR	= GR	= OR	· GR	· GR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
■ OR >5000	2.6	3.0	3.0	3.0	3.0	3.0	3.0	3.0
■ DR >3500	6.2	6.9	6.9	6.9	6.9	6.9	6.9	6.9
■ DR >2000	13.1	15.3	15.3	15.3	15.3	15.3	15.3	15.3
■ DR >1000	22.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
■ DR >600	25.1	29.5	29.5	29.5	29.5	29.5	29.5	29.5
■ DR >300	25.5	29.9	29.9	29.9	29.9	29.9	29.9	29.9
• OR >150	25.5	29.9	29.9	29.9	29.9	29.9	29.9	29.9
• OR > 0	25.5	29.9	29.9	29.9	29.9	29.9	29.9	29.9
TOTAL	241	283	283	283	283	283	283	283

TOTAL NUMBER OF OBS: 945 PCT FREO NH <5/81 70.1

TABLE 7A

PERCENTAGE FREW OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	08500	OBS
24.2	14.9	11.2	10.9	8.5	6.4	7.9	8.6	7.3	-0	999

		н	

								м	ARCH							
PERIOD:	(PRIMARY) 1 (GVER-ALL) 1	921-1971 855-1971						TA	BLE 8				ARE	A 0018	PERTH	
			PI	ERCENT	FREQ PREC	OF WIN	D DIRE	CTION TH VAR	VS DCC YING V	URRENC	E OR N	DN-DC	URRENC	E DF		
	VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		TOT %	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	1/2(1	NO PCP	.0	• 0	.0	.1	.3	• 1	. 1	.0	.0	.0	.6			
		TOT %	.0	• 0	.0	. 1	3	• 1	. 1	.0	.0	.0	.6			
		PCP	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	1<2	NO PCP	• 1			. 5	. 7	. 2	.0	.0	.0	.0	1.6			
		TOT &	• 1		*	.5	.7	• 2	.0	.0	.0	.0	1.6			
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	2<5	NO PCP	. 1	.0	.0	.3	. 5	.0	.0	.0	.0	.0	1.0			
		TOT \$	• 1	• 0	.0	. 3	. 5	• 0	.0	.0	.0	.0	1.0			
		PCP	.2	.0	.2	.6	.4	.3	. 2		.0	.0	1.9			
	5<10	NO PCP	• 1	. 4	1.9	8.1	9.6	3.4	1.2	. 8	.0	.1	25.7			
		TOT %	. 3	. 4	2.1	8.7	9.9	3.8	1.4	. 8	.0	.1	27.6			
		PCP	• 1		. 1		. 3		.0	.0	.0	.0	.5			
	10+	NO PCP	.6	.6	4.0	23.4	26.6	8.9	2.2	1.5	.0	. 9	68.7			
	•	TOT %	• 7	.6	4.0	23.5	26.9	9.0	2.2	1.5	.0	. 9	69.3			
		TOT OBS												1461		
		TOT PCT	1.2	1 . 1	6.1	33.1	38.4	13.0	3.7	2.3	.0	1.0	100.0			

TABLE 9

				PERCEN	T FRES	ne wi	ND DIR	ECTION	VS WT	ND SPE	FD		
					WITH V	ARYING	VALUE	S OF V	ISIBIL	ITY			
(NM)	KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	. 1	. 1	. 1	.0	.0		.3	
	11-21	.0	.0	.0	*	.1	.0	.0	.0	.0		. 2	
	22+	.0	.0	.0	-1	. 1	.0	.0	.0	.0		. 2	
	TOT %	.0	.0	.0	. 5	. 3	. 1	. 1	.0	.0	.0	.7	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	,1	
1<2	4-10	. 1			*	. 2	. 2	.0	. 1	.0		.6	
	11-21	. 1	.0	.0	. 2	. 5	*	.0	.0	.0		. 6	
	22+	.0	.0	. 1	. 2	.1	.0	.0	.0	.0		. 4	
	TOT %	. 1		. 1	. 5	. 8	. 2	.0	. 1	.0	.1	1,8	
	0-3	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	4-10	. 1	.0		. 1	. 4	.0	.0	.0	.0		.6	
	11-21	.0			. 2	. 1	.0	.0	.0	.0		. 3	
	22+	.0	.0	.0		.1	.0	.0	.0	.0		. 1	
	TOT %	.1		. 1	. 3	.5	.0	.0	.0	.0	.0	1.0	
	0-3	.0	. 1	.1	.2	.2	.2	. 1	.0	.0	.1	. 8	
5<10	4-10	. 2	. 3	. 9	1.6	2.5	1.7	.7	.4	.0		8.2	
	11-21	. 1	• 1	. 8	4.9	6.4	2.0	.6	. 3	.0		15.0	
	22+	.1	.0	. 3	3.6	2.3	.3	. 1	.1	.0		6.7	
	TOT %	.3	.4	2.1	10.2	11.5	4.2	1.5	. 8	.0	.1	30.8	
	0-3	. 1		.2	.3	. 2	.2	. 1	. 1	.0	.7	1.7	
10+	4-10	.4	. 4	1.8	4.4	7.1	3.7	. 8	.6	.0		19.0	
	11-21	. 1	.2	1.5	13.1	15.7	3.9	. 8	.4	.0		35.7	
	22+	.0		. 2	5.3	2.9	.7	. 1	. 1	.0	_	9.3	
	TOT %	.5	• 6	3.6	23.1	25.8	8.5	1.8	1.2	.0	.7	65.8	
	OT DAS	-											1978
T	OT PCT	1.0	1.0	5.9	34.2	38.7	13.0	3.4	2.0	.0	. 8	100.0	

PERIOD: (PRIMARY) 1921-1971 (DVER-ALL) 1855-1971

TABLE 10

AREA 0018 PERTH NW 29.95 112.76

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS	
00603	• 0	.0	.4	5.0	11.2	9.7	5.8	3.5	. 8	.0	36.4	63.6	258	
06609	.0	.0	1.2	1.2	13.0	7.7	4.5	.0	. 8	1.6	30.1	69.9	246	
12615	•0	.0	•0	4.7	9.4	7.3	. 9	. 9	. 4	.4	24.0	76.0	233	
18821	.0	.0	.0	3.7	6.6	7.8	3.7	.8	.4	1.6	24.6	75.4	244	
TOT	0	.0	.4	36	99	80	37	13	6	9	284	697	981	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	Y (NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR		
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 < 5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS	
00603	.0	.2	1.9	1.1	27.8	69.0	539	00803	.0	.4	6.1	32.4	61.5	247	
90330	.0	.4	2.0	.6	32.2	64.8	491	06609	.0	1.3	3.3	28.3	68.3	240	
12615	.0	1.5	1.7	1.9	33.8	61.1	532	12615	.0	.0	4.9	19.9	75.2	226	
18821	.0	.7	1.4	. 2	30.0	67.7	443	18821	.0	.0	3.9	22.0	74.1	232	
TOT	0	14	35	20	621	1315	2005	TOT	0	4	43	244	658	945	

TABLE 13

TABLE 14

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	*****	PCT		PERC	ENT FR	REQUEN	Y OF W	IND DI	RECTIO	N BY T	Ч Р	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	Ε	SE	S	SW	H	NW	VAR	CAL
85/89	.0	.0	. 1	.0	.0	.1	.0	.0	2	. 2	.0	.0	.0	.0	.1	.0	.0	.0	.0	
80/84	.0	.0	.0	.?	. 4	. 6	. 1	. 1	17	1.3	.0		. 3	. 3	. 5	. 1			.0	
75/79	.0	.0	.0	1.1	2.0	4.8	3.6	1.9	177	13.4	. 3	. 3	1.3	4.3	5.1	1.0	. 3	. 6	.0	
70/74	.0	.0	. 3	1.4	7.6	16.4	16.6	7.7	661	50.0	.2	.6	2.6	17.1	18.9	6.4	2.0	1.9	.0	
65/69	.0	.0	.0	1.5	6.9	10.9	9.6	3.8	432	32.7		. 1	1.1	11.3	13.3	5.2	1.4	. 1	.0	
60/64	.0	.0	.0	.1	. 8	1.0	.3	. 3	33	2.5	.0	.0	. 2	. 8	. 8	.7	.0	.0	.0	. 0
TOTAL	0	0	5	55	235	447	398	182	1322	100.0										
PCT	.0	.0	.4	4.2	17.8	33.8	30.1	13.8			.5	1.0	5.5	33.8	38.7	13.3	3.6	2.6	.0	. 8

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	6 F) B	Y HOUR	
HOUR (GMT)	мдх	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GM)
00603	80	82	78	71	66	63	62	71.4	621	0300
06809	86	82	79	72	67	65	64	72.4	589	0360
12815	83	79	77	71	65	64	61	70.9	624	1351
18821	79	76	75	69	64	63	60	69.5	522	1862
TOT	86	81	77	71	66	63	60	71.1	2356	TOT

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	RY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	4.9	18.5	31.2	32.9	12.4	77	346
90300	.0	7.2	25.4	38.6	18.9	9.9	74	334
12615	.0	2.6	11.1	34.4	35.0	16.9	79	343
18621	.0	3.5	15.2	31.3	33.2	16.8	79	316
TOT	0	61	235	454	402	187	78	1339

MARCH

PERIOD: (PRIMARY) 1921-1971 (UVER-ALL) 1855-1971

TABLE 17

AREA 0018 PERTH NW 29.95 112.7E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	61	65	69	73	77	81	85	TOT	W .	WD
TMP DIF	64	68	72	76	80	84	88		FDG	FDG
14/16	.0	.0	.0	. 1	.0	.0	.1	2	.0	.2
11/13	.0	.0	.0	• 1	. 3	. 1	.0	6	.0	.5
9/10	.0	.0	.1	. 1	.5	.0	. 1	10	.0	. 8
7/8	.0	.0	.1	. 5	.6	. 1	.0	16	.0	1.3
6	.0	.0	. 2	. 4	.2	. 1	.0	12	.0	1.0
5	.0	. 1	.0	. 6	.6	.0	.0	17	.0	1.4
4	.0	.0	. 2	1.1	1.2	. 2	.0	34	. 1	2.6
3	.0	. 1	.6	3.0	1.4	.0	.0	63	. 1	4.9
3 2	.1	. 3	2.2	3.7	. 8	.0	.0	90	. 2	6.9
1 0 -1	.0	. 5	4.3	4.3	.4	.0	.0	119	. 1	9.4
o	. 1	1.4	7.9	4.1	. 2	. 2	.0	174	. 6	13.3
-1	.0	2.0	9.4	2.2	. 1	.0	.0	172	. 2	13.4
-2	. 1	4.2	7.3	1.4	. 2	.0	.0	166	. 2	13.0
-3	.4	5.4	4.9	.7	.1	.0	.0	144	. 1	11.4
-4	.5	4.3	2.4	.5	.0	.0	.0	96	.0	7.6
-5	. 5	2.5	1.8	. 2	.0	.0	.0	62	.0	4.9
-6	.5	1.5	.6	.0	.0	.0	.0	33	.0	2.6
-7/-8	.4	1.4	.6	.0	.0	.0	.0	30	.0	2.4
-9/-10	.2	. 4	.0	.0	.0	.0	-0	8	.0	.6
-11/-13	. 2	. 1	.0	.0	.0	.0	.0	3	.0	. 2
TOTAL	36		536		83		2		20	1237
	30	302		290		8	-	1257	2.0	
PCT	2.9		42.6	23.1	6.6	.6	. 2	100.0	1.6	98.4

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

PCT FREQ DF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 26-32 24-48 49-60 61-70 71-86 87+ TUT PCT 1-3 1-3 4-10 4-10 48+ HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 71-88 87+ TUT PCT 34-47 1-3 34-47 1-3 22-33 .0 .0 .0 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 11-21 1.4 4.9 6.9 4.3 5.5 2.2 2.2 0.0 0.0 0.0 0.0 0.0

MARCH

PERIOD: (DVER-ALL) 1963-1971

TABLE 18 (CONT)

AREA 0018 PERTH NW 29.95 112.7E

PIT	FRED A	E WIN	n caren	CUTEI	ANO	RIGECTION	VERSHE	CEA	HETCHTE	1571

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIREC	TION Y	ERSUS S	EA HEIG	HTS (FT)			
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	. 8	.0	.0	.0	.0	. 8		. 2	.5	.0	.0	.0	.0	. 8	
1-2	.0	5.0	3.5	.0	.0	.0	8.5		.0	1.4	.5	.0	.0	.0	1.9	
3-4	.0	2.5	6.9	1.1	.0	.0	10.6		.0	1.8	2.5	. 4	.0	.0	4.7	
5-6	.0	. 5	8.8	1.9	• 0	.0	11.2		.0	.1	1.3	. 2	.0	.0	1.6	
7	.0	.0	3.9	.4	.0	.0	4.3		.0	.0	.5	.0	.0	.0	. 5	
8-9	.0	.0	1.6	1.5	.0	.0	3.1		.0	.0	. 1	.4	.0	.0	.5	
10-11	.0	.0	.0	.6	.4	.0	1.0		.0	.0	. 1	.0	.0	.0	. 1	
12	.0	.0	.0	.4	. 5	.0	.6		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	. 2	.0	.0	.0	. 2	
17-19	.0	.0	.0	.0	. 5	.0	. 2		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.4	.0	.0	. 4		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	24.7	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
TUI PCI	.0	8.8	24.1	6.2	. 8	•0	40.5		• 2	3.8	5.1	1.1	.0	.0	10.2	
HGT	1-3	4-10	11-21	W 22-33	34-47	48+	PCT			4-10	11-21	NW 22-33		48+	PCT	POTAL
<1	.0	.2	.0	.0	.0	.0	.2		1-3	.0			34-47			PCI
1-2	.2	.5		.0	-					.2	.0	.0	.0	.0	.0	
3-4	.0	.5	.0	:0	.0	.0	. 8		.0	.5	.4	.0	.0	.0	.6	
5-6	.0	.2	1.3	.0	.0	.0	1.1		.0	.0	.2	.0	.0	.0	.8	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	. 2	.0	.0	.0	.2		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.2	.0	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	. 0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	. 2	1.5	2.0	.0	• 0	.0	3.7		.0	. 8	1.2	.4	.0	.0	2.4	98.3

WIND S	PEED	(KTS)	VS	SEA	HEIGHT	(FT)
--------	------	-------	----	-----	--------	------

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.4	3.2	.0	.0	.0	.0	5.6	085
1-2	. 4	10.5	5.8	.0	.0	.0	16.7	
3-4	.0	5.2	17.2	1.9	.0	.0	25.3	
5-6	.0	1.3	19.7	3.6	.0	.0	24.7	
7	.0	.0	9.0	3.0	.0	.0	12.0	
8-9	.0	.0	2.1	3.4	.0	.0	5.6	
10-11	.0	.0	.4	2.4	.4	.0	3.2	
12	.0	.0	.2	1.9	.2	.0	2.4	
13-16	.0	.0	. 4	1.3	. 9	.0	2.6	
17-19	.0	.0	.0	. 2	.6	.0	. 9	
20-22	.0	.0	.0	.6	.0	.0	.6	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.4	.0	.4	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								456
TOT PAT	2 0	21 2	54 0	10 .	2 6	0	100 0	

TOT PCT 2.8 21.2 54.9 18.5 2.6 .0 100.0

PERIOD: (DVER-ALL) 1949-1971

PERCENT	FREQUENCY	OF	WAVE	HEIGHT	(FT)	٧S	WAVE	PERIOD	(SECONDS)	
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PERIOD (SEC)	< 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	.6	4.1	7.9	4.3	3.3	1.0	. 1	. 4	. 1	. 3	.0	.0	.0	.0	.0	. 0	.0	.0	.0	160	4
6-7	.0	1.4	3.9	8.8	7.3	2.8	2.8	1.0	.6	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	209	6
8-9	.0	.1	. 7	3.6	6.5	3.0	2.3	1.2	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	140	8
10-11	.0	.0	. 6	1.5	2.2	3.9	1.8	. 7	1.1	.0	. 8	.0	. 1	.0	.0	.0	.0	.0	.0	92	9
12-13	.0	.0	. 8	.6	. 7	1.5	. 4	. 7	. 3	.0	. 1	.0	.0	.0	.0	.0	.0	.0	.0	37	8
>13	.0	.0	.0	. 1	. 1	.1	.0	.6	. 7	.0	. 3	.0	.0	.0	.0	.0	.0	.0	.0	14	13
INDET	1.1	1.0	1.7	2.1	1.5	. 4	. 8	.1	.7	.6	.0	.0	. 3	.0	.0	.0	.0	.0	.0	74	7
TOTAL	12	48	112	152	157	92	60	34	38	9	9	0	3	0	0	0	0	0	0	725	7
PCT	1.7	6.6	15.4	20.9	21.6	12.7	8.3	4.7	5.2	1.2	1.2	.0	. 4	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD:	(PRIMARY)	1922-1969
	Cours	

TABLE 1

AREA 0018 PERTH NW 29.95 112.8E

DEDCENT	EDECHIENCY	DE	WEATHER	DCCURRENCE	RV	WIND	DIRECTION	

				-	ENCEN	FRESO	ENC! C	I MEMINEN	occom.	01		201124			
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMDKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N NE	1.7	1.1	4.7	.0,	.0	.0	.0	2.8	1.4	7.8	2.2	.0	.0		87.2 88.5
E SE	.8	.0	3.8	.0	.0		.0	4.6	1.6	2.4	.0	.0	.8	.0	90.6
SW	1.7		.2	.0	.0	.0	0	9.6	2.5	1.1	1.1	.0	2.2	.0	91.2 85.7
W NW	2.9	9.6	1.9	.0	.0	.0	.0	13.6	6.2	2.3	1.5	.0	.0	.0	83.3
CALM	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT	1.6	2.8	1.0	•0	•0	.0	.0	5.3	1.4	1.3	.7	.0	1.0	.1	90.4

--

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

											0.	HEATHER	0			
			,	KECIPI	TATIO	N TYPE					UINEK	WEATHER	PHENU	MENA		
HOUR	RAIN	RAIN	DRZL	FRZG	SNOW	DTHER	HAIL	PCPN AT	PCPN PAST	THOR	FOG	FOG WD	SMOKE	SPR	YAS	NO
(GMT)		SHWR		PCPIN		FRZN		OB TIME	HOUR	LTNG	WO	PCPN	HAZE	BLWG		516
						PCPN					PCPN	PAST HR		BLWG	SNOW	WEA
00603	1.4	3.0	.6	.0	.0	.0	. 3	5.2	2.8	.0	.6	.0	1.1		.0	90.4
90360	1.4	1.4	1.0	.0	.0	.0	.0	3.8	.7	.0	. 3	.0	1.7		.0	93.4
12615	1.5	4.1	1.0	.0	.0	.0	.0	6.3	1.3	2.8	1.5	.0	. 8		.0	87.3
18821	2.1	2.1	1.2	.0	• 0	.0	.0	5.5	.6	1.8	.3	.0	.3		. 3	91.5
TOT PCT	1.6	2.8	.9	•0	•0	.0	-1	5.3	1.4	1.2	.7	.0	.9		• 1	90.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KNO	TS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.2	1.3	.5	.3	. 1	.0		2.6	11.6	2.9	2.7	4.4	1.8	2.1	1.1	2.2	
NE	. 2	2.7	1.7	.3	.0	.0		4.9	10.8	6.9	5.7	5.1	1.2	3.4	1.4	6.3	6.0
F	.7	4.0	4.1	. 5	.0	.0		9.2	11.0	12.8	8.6	9.6	5.3	6.7	9.8	8.3	11.1
SE	.6	9.5	14.7	3.1	. 1	.0		28.0	13.5	29.7	24.4	27.1	24.9	26.7	26.4	30.9	30.2
5	1.2	10.5	10.8	2.6	. 1	.0		25.2	12.5	21.3	26.7	24.6	33.6	28.4	27.9		
SW	. 9	7.1	5.4		.3	.0		15.8	12.6	14.9	16.6	13.8	19.6	16.3	20.7	13.3	17.5
W	.4	4.3	2.7	1.0	. 2	.0		8.7	12.6	7.9			9.1	9.7	8.3		7.0
NW	. 5	1.9	1.6		. 3	.0		4.5	12.2	2.6	6.1	5.5	4.7	5.4	2.9	5.6	2.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		. 5
CALM	1.1	• 50		• •	• •	• •		1.1	.0	1.1		.6	.0	1.3	1.4		1.5
TOT DBS	127	914	919	220	24	0	2204		12.4	460		355	171	450	138		187
TOT PCT	5.8	41.5	41.7	10.0	1.1	.0	2204	100.0								100.0	

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06	12 15	18
N	1.1	.9	.4	.2			2.6	11.6	2.8	3.5	1.8	2.3
NE	1.6	2.1	1.1		.0		4.9	10.8	6.6		2.9	6.2
	2.4	5.2	1.6		.0		9.2	11.0	11.8	8.2	7.4	9.4
g SE							28.0	13.5	28.6	26.4		30.7
25	3.6	15.8	7.9	. 6	.0						26.6	
5	4.6	13.6	6.5	.5	*		25.2	12.5	22.5	27.5	28.3	22.6
SW	3.6	8.2	3.0	1.0			15.8	12.6	15.3	15.7	17.3	14.9
W	2.2	4.0	1.7	. 7			8.7	12.6	7.8	9.2	9.4	8.2
NW	1.3	2.1	. 8	. 3			4.5	12.2	3.4	5.2	4.8	4.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.1						1.1	.0	1.2	.4	1.4	1.4
TOT DAS	472	1145	505	76	4	2204		12.4	591	526	588	499
TOT PCT	21.4	52.0	22.9	3.5	. 2		100.0			100.0	100.0	100.0

	0	

PERIOD: (PRIMARY) 1922-1969 (DVER-ALL) 1859-1969

TABLE 4

AREA 0018 PERTH NW 29.95 112.8E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
наи	IR CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DBS
0300	3 1.2	5.4	41.8	41.8	9.0	. 8	.0	12.0	100.0	591
0380	9 .4	4.2	40.1	43.5	10.3	1.5	.0	12.8	100.0	526
1261	5 1.4	4.4	44.6	38.4	10.0	1.2	.0	12.2	100.0	588
1862	1 1.4	4.6	38.9	43.5	10.8	. 8	.0	12.6	100.0	499
TOT	24	103	914	919	220	24	0	12.4		2204
PCT	1.1	4.7	41 5	41.7	10.0	1.1	. 0		100.0	

P	CT FRE			DIREC		EIGHTHS)		1					CEILIN NH <5/					
					*	MEAN												
WIND DIR	0-2	3-4	5-7	3 8	TOTAL	CLDUD	000	150	300	600	1000	2000	3500	5000		8000+	NH <5/8	
				UBSCh	DBS	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	DBS
N	.4	.5	1.2	1.1		5.7	.0	.0	. 1	. 4	. 4	.6	.1	. 2	.0	.1	1.5	
NE	1.8	. 9	1.7	1.5		4.6	.0	.0	.0	. 3	. 5	.6	. 3	. 3	.0		3.9	
E	5.3	1.1	1.9	2.1		3.6	.0	.0	.0	. 3	. 8	1.1	. 4	• 1	.0	. 1	7.5	
SF	11.7	5.4	9.1	3.0		3.7	.0	.0	. 2	. 9	3.1	2.3	2.2	. 7	.0		19.8	
S	6.7	3.6	8.7	3.1		4.3	.0	.0	. 1	1.3	2.6	2.6	1.3	. 3	.0	.1	13.9	
SW	2.4	2.4	6.6	1.8		4.9			. 1	1.2	2.2	1.1	. 8	. 2	.0	. 2	7.3	
W	2.4	2.2	3.6	1.5		4.5	.2	. 1	.0	. 2	1.5	. 8	. 3	. 3	.2	.0	6.2	
NW	1.0	1.7	1.3	1.1		4.7	.0	.0	. 2	. 2	1.0	. 4	. 1	.0	.0	.0	3.3	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 4	. 1	.3	.0		3.6	.0	.0	.0	.0	.0	.0	. 1	.0	.0	.0	.8	
ET DBS	288	160	307	137	892	4.2	2	1	6	43	107	83	51	20	,	5	572	89
TOT PCT	32.3	17.9	34.4	15.4	100.0		.2	• 1	. 7	4.8	12.0	9.3	5.7	2.2	.2	.6	64.1	100.

CUMULATIVE	PCT	FREG	DF	SIMULTANEOUS	DCCURRENCE
				SA/R) AND V	

				VSBY (NM)			
CEILING	- DR	• GR	# DR	= DR	= DR	= DR	= DR	= BR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR >6500	.8	.8	+15	.8	. 8	.8	.8	. 8
DR >5000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
OR >3500	8.2	6.8	8.8	8.8	8.8	8.8	8.8	8.8
DR >2000	16.4	18.0	18.0	18.0	18.1	18.1	18.1	18.1
DR >1000	26.8	29.0	29.9	29.9	30.0	30.0	30.0	30.0
DR >400	30.7	34.6	34.7	34.7	34.8	34.8	34.8	34.8
DR >300	30.9	35.1	35.3	35.3	35.4	35.4	35.4	35.4
DR >150	31.0	35.2	35.4	35.4	35.6	35.6	35.6	35.6
DR > 0	31.1	35.4	35.7	35.7	35.8	35.9	35.9	35.9
TOTAL	280	319	321	321	322	323	323	323

TOTAL NUMBER OF OBS: 900 PCT FREQ NH <5/81 64.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 14.3 15.2 13.2 11.3 9.5 8.7 8.8 8.0 10.7 .2 990

APRIL	

							A	PRIL						
PERIOD: (PRIMARY) 1 (OVER-ALL) 1							TA	BLE 8			,	ARE		PERTH NW 9.95 112.8E
		PE	ERCENT				CTION TH VAR						E DF	
VSBY (NM)		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL	
<1/2	PCP NO PCP TOT %	.0 .1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	PCP	.0	•0	.0	.0	.0	• 1	. 1	.0	.0	.0	.1		
1/2<1	NO PCP	•0	• 1	.0	.0	.0	.1	.1	.0	.0	.0	.4		
1<2	PCP NO PCP TOT %	•0	•0	.0	.0	.0 .1	.0 .1	.1	.0	.0	.0	.0		
2<5	PCP NO PCP TOT %	•0 •1	.0	.0	.1	.0	.0 .1	.1	.0	.0	.0	1.0		
5<10	PCP NO PCP	.1	.1	.2	7.1	.4	1.3	.7	.1	.0	.0			
	TOT %	.9	1.2	1.9	7.2	7.1	6.3	2.8	1.8	.0	.3	29.4		
10+	NO PCP	2.3	3.8	7.1	19.4	15.5 16.0	8.9	5.9	2.9	.0	.7	66.6		
	TOT OBS	3.4	5.2	9.4	27.2	23.5	15.8	9.7	4.8	.0	1.0	100.0	1338	

TABLE 9
PERCENT FREQ OF WIND DIRECTION VS WIND SPEED

					WITH	ARYING	VALUE	S OF V	ISIBIL	ITY				
VSBY (NM)	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10	. 1	.0	.0	.1	.0	.0	.0	.0	.0		.1		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT *	.1	.0	.0	- 1	.0	.0	.0	.0	.0	.0	.1		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	.1	.0	.0	.0	.0	. 1	.0	.0		.1		
	11-21	.0	.0	.0	.0	.0	. 1	. 1	.0	.0		.1		
	22+	.0	.0	.0	.0	.0	. 1	.1	.0	.0		.1		
	TOT %	.0	• 1	.0	.0	.0	.1	. 2	.0	.0	.0	.3		
	0-3	*	.0	.0	.0	.0	.0	.0		.0	.0	.1		
1<2	4-10	.0	.0	.0	*	. 1	. 2	.0	.0	.0		.3		
	11-21	.0	.0	. 1	*	. 1	.0	. 1	.0	.0		. 3		
	22+	.0	• 0	.0	*	. 1	.0	.0	.0	.0		:7		
	TOT %		.0	. 1	- 1	.3	. 2	.1	•	.0	.0	.7		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0		
2<5	4-10	. 1	.0	. 1	. 1	. 1	*	. 2	.0	.0		.5		
	11-21	.0	.0	.0	. 2	. 1	. 1	.0	.0	.0		.3		
	22+	.0	.0	.0		*	.0	.0	. 1	.0	115	:9		
	TOT %	. 1	•0	. 1	.2	. 2	. 1	.2	.1	.0	.0	. 9		
	0-3	.1	.1	. 1	. 2	.5	.3	. 1	. 1	.0	. 3	1.8		
5<10	4-10	.4	.9	1.0	3.5	3.6	2.6	1.1	. 7	.0		14.0		
	11-21	. 1	. 4	1.0	3.8	4.1	2.2	.9	. 6	.0		13.2		
	22+	. 2	.0	. 2	1.4	1.0	1.1	. 4	. 1	.0	100	4.4		
	TOT %	. 8	1.4	2.4	8.9	9.3	6.3	2.5	1.5	.0	. 3	33.4		
	0-3	.2	• 1	.4	.4	.4	.5	.3		.0	. 9			
10+	4-10	. 8	1.8	3.1	6.2	6.9	3.9	3.1	1.2	.0		26.9		
	11-21	.6	1.4	3.3	10.4	6.2	2.8	1.6	1.2	.0		27.6		
	22+	. 2	.3	.3	1.8	1.6	1.3	.9	. 3	.0		6.8		
	TOT %	1.9	3.6	7.0	18.9	15.2	8.5	6.0	2.7	.0	. 9	64.6		
	TOT ORS		-										1855	
	TOT PCT	2.8	5.1	9.5	28.2	25.0	15.1	8.9	4.3	.0	1.2	100.0		

TABLE 10

AREA 0018 PERTH NW 29.95 112.8E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499		8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.4	.4	5.1	13.8	10.2	4.3	2.8	.0	1.2	38.2	61.8	254
90300	.0	.0	.8	7.0	8.2	8.2	7.4	1.6	.0	.4	33.6	66.4	244
12615	1.4	.0	.5	2.3	11.3	7.7	4.1	1.8	.5	.5	29.9	70.1	221
18621	•0	.0	.9	3.4	11.5	9.0	6.0	2.1	.4	.0	33.3	66.7	234
TOT	3	1	6	43	107	84	52	20	2	5	323	630	953

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	. 2	.6	1.2	.8	28.8	68.5	514	00803	.0	1.3	7.1	34.3	58.6	239
06609	.0	•2	.5	•2	34.9	64.2	430	06609	.0	1.3	9.0	26.1	65.0	234
12615	.4	.2	1.2	1.6	40.7	56.0	514	12615	1.4	1.9	4.8	27.4	67.8	208
18621	.0	.2	• 2	.9	31.1	67.6	444	18821	.0	. 9	5.0	31.1	63.9	219
TOT PCT	.2	.3	15	17	645	1216	1902	TOT	3	12	59	268 29.8	573 63.7	900

TABLE 13

TABLE

	DERCI	ENT ED	FOHENC	V 05 8	ELATIVE	HUMT	TTV B	V TEMP				0500	ENT E	EQUENC	V DE 1	IND DI	PECTIO	N BY T	EMD	
TEMP F								90-100	TOTAL DBS	PCT	N	NE	E	SE	s	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	.1	.0	.0	.0	1	.1	.0	.0	.0	.0			.0	.0	.0	.0
80/84	.0	.0	.0	. 1	.4	.1	. 1	.0	8	.6	• 1	. 2	. 2	. 1	.0	.0	. 1	.0	.0	.0
75/79	.0	.1	.0	1.1	1.7	2.6	3.1	. 5	119	9.0	.7	. 9	2.0	2.1	1.5	.6	. 5	. 3	.0	. 4
70/74	.0	.0	, 5	2.5	7.4	12.7	11.5	5.7	534	40.3	1.8	2.8	4.5	11.0	9.8	4.0	3.5	2.5	.0	. 4
65/69	.0	.0	.5	3.5	9.6	13.0	10.0	2.6	520	39.2	.1	1.1	2.5	11.4	10.5	7.8	4.1	1.4	.0	. 4
60/64	.0	.0	.0	1.3	4.4	2.3	1.3	1.1	138	10.4	.1	. 1	. 7	3.3	2.2	2.8	1.2	. 1	.0	.1
55/59	.0	.0	.0	. 1	.1	.0	. 2	.1	6	.5	.0	.0	.0	.0	. 1	. 2	. 1	. 1	.0	.0
TOTAL	0	1	12	113	313	406	348	133	1326	100.0							100.70			
PCT	.0	.1	.9	8.5	23.6	30.6	26.2	10.0			2.7	5.0	9.8	27.9	24.2	15.4	9.4	4.4	.0	1.2

TABLE 15

TABLE 16

	MEANS,	EXTREM	S AND	PERCEN	ITILES	DF TE	MP (DE	G F) B	Y HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	
00603	86 85	80	77	70 71	63	59	55	69.8	581 504	
12615	79	77	75	69	63	60	60	69.3	588	
18621	79 86	76	74	70	63	60	59	69.6	2180	

HOUR (GMI) 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL 085 00000 0003 0 10.4 22.5 30.8 24.7 11.5 75 304 00000 0003 0 13.7 29.3 27.4 22.3 7.3 73 314 12615 0 5.9 19.3 30.2 33.0 11.7 77 358 1821 0 81.1 23.4 32.5 26.6 9.4 75 320 TOT 0 128 318 410 363 137 75 1356

APRIL

PERIOD: (PRIMARY) 1927-1969

(OVER-ALL) 1859-1969

TABLE 17

PCT FRFQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

PCT FREQ OF	AIR	TEMP	VS	JRE (I	DEG F	AND MPERA	THE D	DIFFE	ENCE DI	F FOG (WI (DEG F)	THOUT	PRECIPI	T
AIR-SEA	53	57	61	65	69	73	77	81	85	тот	W	WO	
TMP DIF	56	60	64	68	72	76	80	84	88		FOG	FOG	
14/16	.0	.0	.0	.0	.0	.1	.0	.0	.0	1	.0	.1	
11/13	.0	.0	.0	.0	.1	• 1	.0	. 2	.0	4	.0	.4	
9/10	.0	.0	.0	.0	.0	.0	. 2	.0	.0	2	.0	.2	
7/8	.0	.0	.0	.0	.0	. 2	.4	.0	.0	6	.0	.5	
6	.0	.0	.0	. 2	.0	. 5	.5	.0	.0	12	.0	1.1	
5	.0	.0	.0	.0	.0	. 5	. 5	. 1	. 1	13	.0	1.2	
4	.0	.0	.0	. 1	.0	1.1	. 3	.0	.0	16	.0	1.5	
3	.0	.0	.0	.5	.6	1.8	. 1	.0	.0	34	.0	3.1	
2	.0	.0	. 2	.2	1.5	2.3	.5	.0	.0	51	.0	4.7	
1	.0	. 1	.0	.4	3.5	3.7	. 5	.0	.0	89	.0	8.1	
0	.0	. 1	. 1	2.4	5.9	4.4	. 2	.0	.0	143	. 2	12.9	
-1	.0	.0	. 5	3.4	6.8	2.0	.3	.0	.0	142	.0	13.0	
-2	.0	. 1	.6	4.2	5.9	. 9	.0	.0	.0	129	. 2	11.6	
-3	.0	.0	.6	5.4	5.4	. 2	.0	.0	.0	127	. 3	11.3	
-4	.0	.0	1.2	5.8	2.4	. 2	.0	.0	.0	104	. 1	9.4	
-5	.0	. 2	2.3	4.0	1.3	. 2	.0	.0	.0	87	.0	7.9	
-6	.0	. 1	2.6	1.8	.6	.0	.0	.0	.0	57	.0	5.2	
-7/-8	. 1	. 4	1.7	2.0	. 5	.0	.0	.0	.0	51	. 1	4.6	
-9/-10	.0	.0	1.1	. 5	. 2	.0	.0	.0	.0	19	.0	1.7	
-11/-13	.0	. 1	.4	. 1	. 1	.0	.0	.0	.0	7	.0	.6	
-14/-16	. 1	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.1	
TOTAL	2		124	• •	381		37		1	1	9	1086	
		11		338		198		3		1095			
PCT	.2	1.0	11.3		34.8	18.1	3.4	. 3	- 1	100.0	.8	99.2	

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 11-21 .0 .9 1.4 .5 .0 .0 .0 .0 .0 .0 .0 .0 1-3 48+ HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 3-40 41-48 49-60 61-70 71-86 87+ TOT PCT 34-47 34-47 1-3 1-3 11-21 1.9 5.0 4.2 3.2 .0 .0 .0 .0 .0 .0 .0 48+

APRIL

PERIOD: (OVER-ALL) 1963-1969

TABLE 18 (CONT)

AREA 0018 PERTH NW 29.95 112.8E

POT ERFO DE UTINO SOCIO (MTC) AND DIRECTION VERSUE CEN HETCHTE CET

				PC	T FREQ	DF WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS S	SEA HEIG	HTS (FT)			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.5	.0	.0	.0	• 0	. 5		• 1	.5	.0	.0	.0		.6	
1-2	.0	4.6	. 9	.0	.0	.0	5.4		.0	2.3	.2	.0	.0	.0	2.5	
3-4	.0	2.8	3.8	.0	.0	• 0	6.6		.0	2.3	2.2	.0	.0	.0	4.4	
5-6	.0	. 6	4.0	2.3	.0	.0	6.9		.0	. 2	2.1	.8	.0	.0	3.1	
7	.0	. 6	. 2	1.2	.0	.0	2.0		.0	.0	.3	1.0	.0	.0	1.4	
8-9	.0	.0	. 3	.6	.0	.0	.9		.0	.0	.0	.5	.0	.0	.5	
10-11	.0	.2	.0	.0	.0	.0	. 2		.0	.0	.7	.5	.0	.0	1.2	
12	.0	.0	.0	.4	.0	.0	. 4		.0	.0	.0	.0	.0	.0	.0	
13-16	0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	. 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	9.2	9.2	4.5	.0	.0	23.0		• 1	5.3	5.5	2.8	.0	.0	13.6	
				W								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.6	1.3	.0	.0	• 0	• 0	2.0		.0	. 2	.0	.0	.0	.0	. 2	
1-2	.0	2.9	.6	.0	.0	.0	3.6		.0	1.2	.1	.0	.0	.0	1.2	
3-4	.0	1.5	. 8	.0	• 0	• 0	2.3		.0	.5	1.3	.0	.0	.0	1.7	
5-6	.0	.0	.5	. 2	• 0	.0	. 8		.0	.0	1.4	.1	. 3	.0	1.7	
7	.0	.0	.6	.2	• 0	• 0	. 8		.0	.0	. 5	• 1	. 2	.0	. 8	
8-9	.0	.0	. 2	. 2	• 0	.0	. 5		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	• 0	• 0	.0		• 0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	. 2	.0	. 2		.0	.0	.0	.0	. 1	.0	. 1	
13-16																
	.0	.0	.0	.6	. 2	.0	.9		.0	.0	.0	. 2	. 2	.0	.5	
	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	. 2	.0	. 2	
20-22	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	.2	.0	.2	
20-22	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	.1	.0	.1	
20-2 2 23-25 26-32	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	.2	.0	.2	
20-22 23-25 26-32 33-40	.0	.0	.0	.0	.0	.0 .0 .0	.0		.0	.0	.0	.0	.2	.0	.2	
20-22 23-25 26-32 33-40 41-48	.0	.0	.0	.0	.0	.0 .0 .0	.0		.0	.00	.0	.0	.2	.0	.2	
20-22 23-25 26-32 33-40 41-48 49-60	.0	.0	.0	.0	.0	.0	.0		.0	.00000000000000000000000000000000000000	.0	.0	.2	.0	.2	
20-22 23-25 26-32 33-40 41-48 49-60 61-70	.0	.0	.0	.0	.0	.0	.0		.0	.00000000000000000000000000000000000000	.0	.0	.2	.0	.2	
20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	.0	.00.00	.0	.0	.0	.0	.00.00.00.00		.0	.00000000000000000000000000000000000000	.0	.0	.2	.00000000000000000000000000000000000000	.2	
20-22 23-25 26-32 33-40 41-48 49-60 61-70	.0	.0	.0	.0	.0	.0	.0		.0	.00000000000000000000000000000000000000	.0	.0	.2	.0	.2	98.8

WIND SPEED (KTS) VS SEA HEIGHT (FT	WIND	SPEED	(KTS)	V5	SEA	HEIGHT	(FT)
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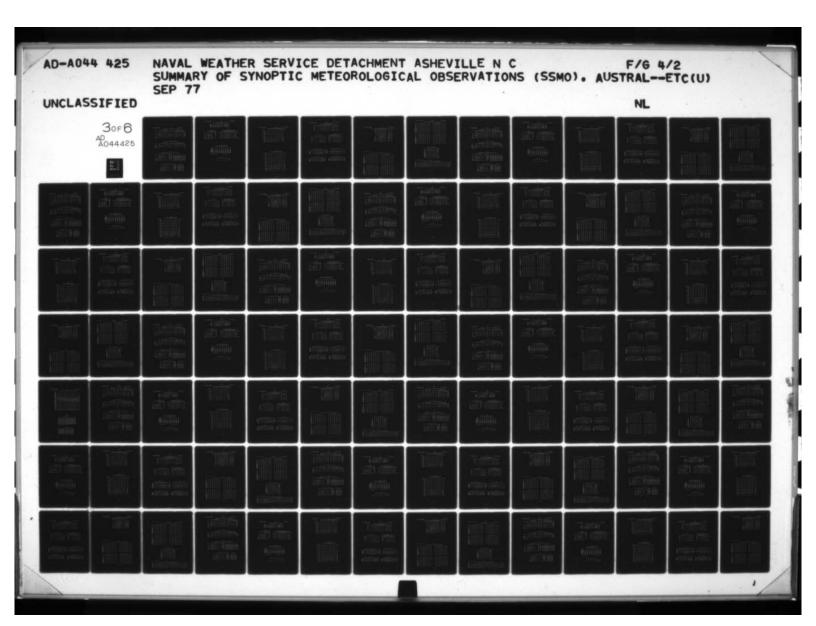
нат	0-3	4-10	11-51	22-33	34-47	48+	7.79	707
<1	2.3	3.7	.0	.0	.0	.0	6.0	DBS
1-2	. 2	15.4	4.8	.0	.0	.0	21.4	
3-4	.0	10.6	16.6	. 2	.0	.0	27.4	
5-6	.0	2.1	15.7	5.1	.5	.0	23.3	
7	.0	. 7	6.5	4.4	. 2	.0	11.8	
8-9	.0	.0	1.2	2.8	.0	.0	3.9	
10-11	.0	.5	. 9	. 9	.0	.0	2.3	
12	.0	.0	. 2	. 9	.5	. 0	1.6	
13-16	.0	.0	.0	. 9	. 5	.0	1.4	
17-19	.0	.0	.0	.0	. 2	.0	.2	
20-22	.0	.0	.0	. 2	. 2	.0	. 5	
23-25	.0	.0	.0	.0	. 2	.0	. 2	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
					• •			434
TOT PCT	1.5	33.9	45.9	15.4	2.3	.0	100.0	

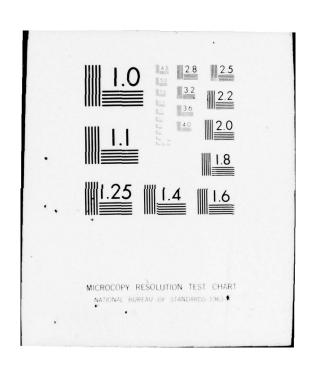
PERIOD: (DVER-ALL) 1949-1969

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

(SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.1	7.6	8.3	5.3	2.9	1.4	.0	.0	. 1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	188	4
6-7	.0	. 1	5.0	8.1	5.0	3.1	2.3	1.1	. 9	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	182	7
8-9	.0	.0	1.3	4.4	6.4	2.3	2.6	1.4	1.6	. 1	. 3	.0	.0	.0	.0	.0	.0	.0	.0	143	8
10-11	.0	. 1	1.1	. 7	1.7	2.7	1.7	. 4	.7	.6	. 3	. 1	.0	.0	.0	.0	.0	.0	.0	72	9
12-13	.0	.0	. 4	. 3	. 4	1.7	. 9	1.1	.7	.0	. 3	.0	.0	.0	.0	.0	.0	.0	.0	41	10
>13	.0	.0	.0	.0	. 1	.1	. 3	. 3	. 3	.0	. 6	.0	.0	.0	.0	.0	.0	.0	.0	12	14
INDET	. 7	.9	2.3	2.0	1.6	1.0	. 1	. 1	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	62	5
TOTAL	13	61	129	146	127	87	55	32	31	6	11	2	0	0	0	0	0	0	0	700	6
PCT	1.9	8.7	18.4	20.9	18.1	12.4	7.9	4.6	4.4	.9	1.6	.3	.0	.0	.0	.0	.0	.0	.0	100.0	





PERIND:	(PRIMARY)	1921-1972
	(DVER-ALL)	1857-1972

TABLE 1

AREA 0018 PERTH NW 29.95 112.8E

PERCENT FREQUENCY	DF I	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

					-	455									
			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N	.0	2.5	2.5	.0	.0	.0	.0	5.1	3.2	1.3	.0	.0	1.3	.0	89.2
NE	.9	.0	. 9	.0	.0	.0	.0	1.7	.0	. 9	.0	.0	.0	.0	97.4
E	.5	.6	.0	.0	.0		.0	1.1	.0	.0	.0	.0	.0	.0	98.9
SE	. 8	2.4	. 5	.0	.0	.0	.0	3.7	1.0	. 4	. 2	.4	.0	.0	94.3
S	.8	3.8	1.8	.0	.0		.0	6.4	2.5	.4	.6	.0	.0		90.0
SW	2.5	4.3	1.1	.0	.0	.0	.0	7.9	2.6	. 5	1.1	.0	.0	.0	88.0
W	2.8	9.6	.6	.0	.0	.0	.0	12.9	1.7	.0	1.2	.0	.6		83.6
NW	3.2	7.3	.0	.0	.0	.0	.0	10.5	1.7	.9	1.3	.0	.0	.0	86.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	• 0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.4	3.8	.9	.0	•0	.0	.0	6.1	1.6	.4	.6	.1	•1	.0	91.1

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FDG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	2.0 2.0 1.2	4.0 3.6 2.7 5.0	.8 1.3 1.0	.0	•0	.0	.0	5.6 6.9 5.7 6.5	3.2 1.3 .5 1.2	.0 .3 .5	.5 .7 .7	.0	.3 .0 .2	.0	90.4 91.1 92.1 90.9
TOT PCT TOT DBS:	1.5	3.8	.8	•0	•0	.0	.0	6.1	1.5	.5	.6	.1	•1	.0	91.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIT	IN SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.4	2.4	2.0	.4	.2	.0		5.3	11.9	7.6	6.4	4.7	5.2	3.8	4.3	5.1	4.9
NE	. 5	4.1	3.7	.6	. 1	.0		9.1	12.0	12.3	14.6	8.7	5.8	4.9	11.2	7.9	12.1
E	.5	5.0	5.4	1.0		.0		12.0	12.3	12.4	14.2	12.4	8.5	10.0	14.0	12.0	14.8
SE	.7	7.9	9.3	1.2		.0		19.2	12.1	16.8	13.3	19.6	18.2	23.5	18.6	21.5	15.1
S	.7	7.4	7.0	1.2	.2	.0		16.5	12.1	16.4	13.3	17.7				18.5	
SW	. 9	6.2	5.8	2.0		. 1		15.3	13.2	14.4	18.8	13.9	19.8				
W	.6	4.3	4.4	2.2				12.0	14.4	11.5	10.2	11.7	14.9		17.6		12.5
NW	.7	3.1	3.4			.0		9.0	13.9	7.5	8.5	10.2	9.5	9.8	8.1	7.4	
VAR	.0	.0	• 0			.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.7							1.7	.0	1.1	. 8	1.0	2.3	1.4	. 8	2.8	
TUT DBS	150	902	914	225	37	2	2230	-	12.5	458	132	398	173	438	129	320	182
TOT PCT	6.7	40.4			1.7	-1		100.0	100								100.0

TABLE 3A

		WIND	SPEED	(KNOTS)						HOU	COMT)
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						DBS	FREQ	SPD	03	09	15	21
N	1.4	2.7	1.0	.1	.1		5.3	11.9	7.3	4.9	3.9	5.0
NE	1.8	5.2	1.9	. 7.	. 1		9.1	12.0	12.8	7.8	6.3	9.4
F	2.1	6.9	2.8	.2	.0		12.0	12.3	12.8	11.3	10.9	13.0
SE	3.1	11.8	4.0	.3	.0		19.2	12.1	16.0	19.2	22.4	19.2
5	3.6	9.1	3.2	.6	.0		16.5	12.1	15.7	17.1	17.2	15.8
SW	3.6	7.2	3.3	. 9	. 2		15.3	13.2	15.4	15.7	15.9	14.0
W	2.5	5.1	3.3	1.0	. 1		12.0	14.4	11.2	12.7	12.7	11.5
NW	2.0	3.9	2.4	.6	. 1		9.0	13.9	7.7	10.0	9.4	8.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.7						1.7	.0	1.0	1.4	1.2	3.4
TOT OBS	489	1156	484	87	14	2230		12.5	590	571	567	502
TOT PCT	21.9	51.8	21.7	3.9	.6		100.0			100.0		100.0

PERIOD: (PRIMARY) 1921-1972 (DVER-ALL) 1857-1972

TABLE 4

AREA 0018 PERTH NW 29.95 112.8E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

					SPEED (48+	MEAN	PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	40+	HEAN	FREW	ubs
00603	1.0	5.1	42.7	40.0	10.3	.8	.0	12.2	100.0	590
90300	1.4	6.0	35.6	44.3	11.0	1.6	. 2	13.0	100.0	571
12615	1.2	4.9	44.1	38.6	9.2	1.9	.0	12.1	100.0	567
18621	3.4	4.0	39.2	41.0	9.A	2.4	. 2	12.7	100.0	502
TOT	38	112	902	914	225	37	2	12.5		2230
PCT	1.7	5.0	40.4	41.0	10.1	1.7	.1		100.0	

TABLE 5

TABLE 6

			-T41 6	I allo	MOUNT /	E + CHTHE \			DEDCEN	TACE	PEOLIEN	CY 05	CEILIN	C HE+C	uTC (6	T.NH 1	4 (8)	
	CT FRE			DIREC		(EIGHTHS)							NH <5/					
						MEAN												
WND DIR	0-5	3-4	5-7	8 &	TOTAL	CLOUD	000	150	300	600	1000	2000	3500	5000		8000+	NH <5/8	
				OBSCO	DBS	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	DBS
N	1.8	. 8	2.4	.0		4.6	.0	.0	. 1	.3	.6	.5	.2	. 1	.0	.0	4.0	
NE	4.8	1.1	1.6	.6		2.5	.0	.0	.0	. 2	.6	. 1	. 1	.0	. 1	. 1	7.0	
ε	6.4	2.6	3.0	1.2		3.1	.0	.0	.0	. 1	. 9	.7	. 9	. 1	. 1	.1	10.4	
SE	8.3	5.2	5.3	2.4		3.5	.0	• 0	. 2	.6	2.0	2.1	.4	• 1	. 1	.0	15.6	
S	3.2	4.8	9.4	2.0		4.8	.0	.0	.0	. 7	2.9	3.0	1.8	.0	. 1	. 1	10.9	
SW	2.7	3.4	6.3	1.9		4.8	.0	.0	.0	1.0	1.9	2.4	1.6	. 1	. 1	.0	7.2	
W	2.2	3.0	4.1	1.4		4.5	.0	.0	.0	. 9	1.4	1.1	. 3	.0	.0	. 1	6.9	
NW	1.1	1.7	2.6	. 9		4.6	.0	.0	.0	. 3	. 9	. 9	.3	.0	.0	. 2	3.7	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 7	.1	.1	.0		1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
TUT DBS	294	213	327	105	939	4.0	0	0	3	37	105	101	52	4	5	6	626	939
TOT PCT	31.3	22.7	34.8	11.2	100.0		.0	• 0	.3	3.9	11.2	10.8	5.5	.4	.5	.6	66.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND YSBY (NM)

				VSBY (NM	1)			
CEILING	* OR	■ DR	■ DR	= DR	= DR	= OR	· DR	 DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
- DR >5000	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
■ DR >3500	7.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2
■ DR >2000	16.1	17.7	18.0	18.0	18.0	18.0	18.0	18.0
■ DR >1000	26.3	28.8	29.0	29.0	29.0	29.0	29.0	29.0
■ DR >600	30.2	33.0	33.2	33.3	33.3	33.3	33.3	33.3
■ DR >300	30.4	33.3	33.5	33.6	33.6	33.6	33.6	33.6
■ DR >150	30.4	33.3	33.5	33.6	33.6	33.6	33.6	33.6
- DR > 0	30.4	33.3	33.5	33.6	33.6	33.6	33.6	33.6
TOTAL	291	319	321	322	322	322	322	322

TOTAL NUMBER OF DBS: 958

PCT FREQ NH <5/81 66.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 085CO 085 17.0 10.4 12.2 14.5 10.7 8.6 10.3 9.1 7.1 .0 1035

ı.	

									MAT					
PERIOD:	(PRIMARY) 1 (OVER-ALL) 1	921-1972 857-1972						TA	BLE 8				ARE	4 0016 PERTH NW 29.95 112.8E
			PI	ERCENT	FREQ	OF WIN	D DIRE	CIION TH VAR	VS OCC	URRENC ALUES	E DR N	IBILIT	URRENC	E OF
	VSBY (NM)		N	NE	F	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	1/2<1	NO PCP	.0	• 0	.0	.0	.0	.0		. 1	.0	.0	.1	
		TOT %	.0	.0	.0	.0	.0	.0	:	.1	.0	.0	.1	
		PCP	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
	1<2	NO PCP	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
		TOT %	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
		PCP	.0	.0	.0	*	.1	. 1	.0	.0	.0	.0	.1	
	2<5	NO PCP	.0	. 1	.1	*	. 1	.3	.0	.0	.0	.0	. 5	
		TOT %	.0	. 1	. 1		. 1	.4	.0	.0	.0	.0	.6	
		PCP	.2	• 1	.1	.3	.4	.9	1.1	. 8	.0	.0	3.9	
	5<10	NO PCP	1.3	2.4	2.1	3.9	3.5	4.4	3.3	1.9	.0	. 2	23.0	
		TOT %	1.5	2.6	2.2	4.1	3.9	5.3	4.4	2.6	.0	. 2	26.9	
		PCP	•1	.0	.0	.4	.7	.3	.4	. 1	.0	.0	1.9	
	10+	NO PCP	4.1	5.7	9.5	14.7	12.5	10.0	7.4	5.5	.0	.7	70.2	
		TOT %	4.2	5.7	9.5	15.1	13.1	10.3	7.8	5.7	.0	.7	72.1	
		TOT DBS												1387
		TOT PCT	5.7	8.4	11.7	19.3	17.1	16.0	12.4	8.4	.0	.9	100.0	

TABLE 9

						4-1110		S OF V		• • •				
VSBY (NM)	SPD KTS	N	NE	E	SE	5	SW	*	NW	VAR	CALM	PCT	DBS	
	0-3	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10	.0	.0	.0	.0			.0	.0	.0		.1		
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	.0	.0	.0			.0	.0	.0	.0	.1		
	0-3	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0		
1/2<1	4-10	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0		
-, - , -	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0		. 1	.0		.1		
	TOT #	.0	.0	.0	.0	.0	.0	•	. 1	.0	.0	.1		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10	.0	.0	.0	.0	.0	.0	.1	.0	.0		.1		
	11-21	.0	.0	.0	.0	.0	.0	.1	. 1	.0		.1		
	22+	.0	. 1	.0	.0	.0	.0	.0	.0	.0		. 1		
	TOT %	.0	• 1	.0	.0	.0	.0	. 2	- 1	.0	.0	.3		
	0-3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1		
2<5	4-10	.0	.0	.0	.0	.1	. 2	.0	.0	.0		.3		
	11-21	.0	.0			.0	.0	.0	.0	.0		.1		
	22+	.1	.0	.0			. 1	.0	.0	.0		. 2		
	TOT %	. 1	• 1			. 1	. 3	.0	.0	.0	.0	.5		
	0-3		.1	.2	.3	.2	.3	.3	. 2	.0	.4	1.9		
5<10	4-10	. 9	1.7	1.8	2.3	1.9	2.4	1.6	1.0	.0		13.6		
	11-21	.6	1.5	1.0	2.4	2.2	2.3	1.6	1.2	.0		12.8		
	22+	. 2	. 2	.4	. 3	. 4	. 9	1.0	.7	.0		4.2		
	TOT %	1.7	3.6	3.4	5.3	4.6	5.9	4.5	3.1	.0	.4	32.5		
	0-3	.3	.2	. 2	.2	.3	.7	. 3	.6	.0	1.1	4.1		
10+	4-10	1.7	2.7	3.1	5.8	5.4	3.7	2.6	2.1	.0		27.1		
	11-21	1.4	2.2	4.4	7.4	4.9	3.9	2.9	1.9	.0		29.0		
	22+	. 2	. 2	. 7	. 9	. 9	1.5	1.3	.7	.0		6.4		
	TOT %	3.6	5.4	8.4	14.4	11.5	9.7	7.1	5.3	.0	1.1	66.5		
	OT ORS												1870	
7	TOT PET	5.4	9.0	11.8	19.7	16.2	15.9	11.8	8.6	.0	1.5	100.0		

PERIOD:	(PRIMARY)	1921-1972
	I COVER-ALLY	1857-1972

TABLE 10

AREA 0018 PERTH NW 29.95 112.8F

PERCENT FREQUENCY OF CFILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.0	.0	.4	4.8	14.3	12.7	5.6	.8	.4	.4	39.3	60.7	252
90380	.0	.0	•0	5.0	8.9	12.0	5.8	.0	.0	. 8	32.6	67.4	258
12815	.0	.0	.4	3.9	9.9	9.1	4.7	.4	.4	.4	29.3	70.7	232
18821	.0	.0	.4	2.8	9.6	7.6	4.8	1.2	1.2	.8	28.3	71.7	251
TOT	.0	.0	.3	41	106	103	5.2	.6	.5	.6	322	671	993

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	245	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
£0300	. 2	.4	0	.6	31.8	67.1	510	60803	.0	.4	5.3	35.4	59.3	243
90360	.0	.0	• 2	•0	32.5	67.3	462	06809	.0	.0	5.2	28.5	66.3	249
12615	.0	•0	.6	1.0	37.3	61.1	504	12815	.0	.4	4.9	25.6	69.5	223
18821	.0	•0	.2	.5	28.8	70.5	438	18821	.0	.4	3.7	25.5	70.8	243
TOT	1	2	5	10	626	1270	1914	TOT	0	3	46	275	636	958

TABLE 13

TABLE 1

	PERCI	ENT FR	EQUENC	Y DF R	ELATIV	HUMI	DITY B	Y TEMP				PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTIO	N BY TI	HP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	s	SW		NW	VAR	CALM
75/79	.0	.0	.1	.7	.4	.3	.6	.1	31	2.3	.4	.4	.5	.3	.1	.2	.2	*	.0	.1
70/74	.0	.0	.7	2.8	6.3	6.1	4.4	2.5	305	22.6	2.4	3.1	2.7	3.9	2.6	2.2	2.0	3.7	.0	.2
65/69	.0	.0	.5	7.5	14.3	13.5	9.7	4.0	664	49.6	1.7	3.4	6.0	9.2	9.5	8.1	7.0	3.9	.0	.7
60/64	.0	.0	.4	2.6	9.0	6.6	4.3	1.2	322	24.0	• 7	1.2	2.6	5.1	5.9	5.4	2.3	.6	.0	. 2
55/59	.0	.0	.0	. 1	. 2	. 6		. 1	18	1.3	.0	.0	.4	.1	. 3	. 3	. 2	.0	.0	.0
TOTAL	0	0		184	406	363	258	106	1340	100.0										
PCT	.0	.0	1.7	13.7	30.3	27.1	19.3	7.9			5.2	8.0	12.3	18.7	18.3	16.3	11.6	8.2	.0	1.3

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	ITILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	DWIDITA	BY HOUR	R
HOUR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
50300 90300	85 78	77	73 75	67	61	58	56 59	67.0	571 534	£0300	.0	14.6	32.2	22.2	21.7	9.2	72 59	369 317
12615	79 76	75 74	73	67	60	58 57	54	66.8	571 504	12615	.0	13.4	30.6	26.5	20.1	9.5 8.3	72	359
rar	85	76	73	67	61	58	54	67.1	2180	TOT	0	210	413	371	268	110	72	1372

MAY

PERIOD: (PRIMARY) 1921-1972 (OVER-ALL) 1857-1972

TABLE 17

AREA 0018 PERTH NW 29.95 112.85

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCUPRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

		3								
AIR-SEA	53	57	61	65	69	73	77	TOT	W	WO
TMP DIF	56	60	64	68	72	76	80		FDG	FDG
11/13	.0	.0	.0	.0	.1	.0	.0	1	.0	.1
9/10	.0	.0	.0	.0	. 1	. 2	.0	3	.0	.3
7/8	.0	.0	.0	.0	.2	. 1	. 3	6	.0	.6
6	.0	.0	.0	.1	. 3	. 2	.1	7	.0	.6
6 5	.0	.0	.0	. 2	. 6	.2	.0	10	.0	.9
	.0	.0	.0	.3	.3	.5	.0	11	.0	1.0
3	.0	.0	.2	. 1	.0	1.0	. 1	22	.0	2.0
3 2 1 0	.0	.0	.0	.3	1.0	.6	.1	22	.0	2.0
1	.0	.0	. 1	.6	2.7	1.0	. 2	50	.0	4.6
0	.0	.0	.5	2.6	4.0	1.0	.0	87	.0	8.0
-1	.0	.0	.5	3.5	3.3	.6	.0	85	. 3	7.6
-2	.0	. 1	1.8	5.8	3.3	.2	.0	121	.0	11.2
-3	.0	.1	2.6	6.5	2.6	. 2	.0	129	. 3	11.6
-4	.0	. 2	2.4	5.5	.9	. 1	.0	98	. 1	9.0
-5	.0	. 4	4.7	8.0	. 8	.0	.0	151	.0	14.0
-6	.0	. 3	2.7	3.9	1.1	.0	.0	86	. 1	7.9
-7/-8	. 1	. 8	4.5	4.9	. 8	. 1	.0	122	.0	11.3
-9/-10	.0	. 5	2.9	1.1	. 1	.0	.0	51	.0	4.7
-11/-13	.0	. 5	.8	. 2	.0	.0	.0	18	.0	1.7
-14/-16	.0	. 1	.1	.0	.0	.0	.0	2	.0	.2
TOTAL	1		256		247		8		8	1074
		35		471		64		1082		
PCT	. 1	3.2	23.7	43.5	22.8	5.9	.7	100.0	. 7	99.3

PERIOD: (DVER-ALL) 1963-1972

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 11-21 .0 1.1 .5 .9 .0 .0 .0 .0 .0 .0 .0 .0 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 22 33-25 26-32 041-48 49-60 61-70 71-86 87+ TUT PCT 1-3 48+ 1-3 48+ 34-47 HGT <1 1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 22 23-25 26-32 33-40 41-48 49-60 1-70 71-86 HCT PCT 1-3 11-21 .0 .5 1.7 .8 .0 .0 .0 .0 .0 .0 .0 .0 48+ 48+

			MAY	
PERIOD: (OVER-ALL)	1963-1972			AREA DOIS PERTH NW
			TABLE 18 (CONT)	29.95 112.8E
		PCT FREQ OF WIND SPEED	(KTS) AND DIRECTION VERSUS SEA HEIGHT	S (FT)
	S		SW	

				5							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.6	1.2	.0	.0	.0	.0	1.7	.7	.4	.0	.0	.0	.0	1.0	
1-2	.0	4.7	.6	.0	.0	.0	5.3	.0	3.0	.4	.0	.0	.0	3.4	
3-4	.0	1.7	3.4	.3	.0	.0	5.4	.2	2.0	2.0	.3	.0	.0	4.4	
5-6	.0	.2	2.2	. 8	.0	.0	3.2	.0	1.0	2.4	.0	.0	.0	3.4	
7	.0	.0	2.1	.4	.0	.0	2.5	.0	.1	.5	.5	.0	.0	1.1	
8-9	.0	.0	.2	.3	.0	.0	.5	.0	.0	. 8	. 7	.0	.0	1.5	
10-11	.0	.0	.0	.2	• 0	.0	. 2	.0	.0	.0	.0	. 2	.0	. 2	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	. 2	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.6	7.8	8.6	1.9	.0	.0	18.9	. 9	6.4	6.1	1.7	. 2	.0	15.2	
				W							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	1.3	.0	.0	• 0	• 0	1.3	.6	. 1	.0	.0	.0	.0	.7	
1-2	. 2	2.6	.4	.0	• 0	.0	3.2	.3	1.8	.3	.0	.0	.0	2.4	
3-4	.0	1.1	1.5	.2	.0	• 0	2.8	• 2	.2	1.5	.0	.0	.0	1.9	
5-6	.0	.0	2.2	.0	.0	.0	2.2	.0	.2	1.4	. 2	.0	.0	1.8	
7	.0	. 2	.6	. 2	.0	• 0	.9	.0	.0	.0	.2	.0	.0	. 2	
8-9	.0	.0	.0	.4	.0	.0	.4	.0	.0	. 2	.2	.0	.0	. 4	
10-11	.0	.0	.0	. 2	.0	.0	. 2	.0	.0	.0	.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	. 2	
13-16	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	. 0														
71-86 87+ 70T PCT	.0	5.1	4.8	.0	.0	.0	.0	1.1	2.4	3.4	.0	.0	.0	7.7	98.6

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.8	4.6	.0	.0	.0	.0	9.5	003
1-2	1.2	23.1	4.4	.0	.0	.0	28.8	
3-4	. 8	10.9	16.3	. 8	.0	.0	28.8	
5-6	.0	2.2	15.3	1.6	.0	.0	19.1	
7	.0	.4	5.6	2.6	.0	.0	8.7	
8-9	.0	.0	2.0	2.0	.0	.0	4.0	
10-11	.0	.0	.0	.6	.2	.0	.8	
12	.0	.0	.0	.2	.0	.0	.2	
13-16	.0	.0	.0	. 2	.0	.0	. 2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								497
TOT PCT	6.8	41.2	43.7	8.0	.2	.0	100.0	

PERIOD:	(pv	ER-ALL)	194	9-1972	2				TABLE	19											
					PERCEN	T FRE	QUENCY	OF WA	VE HEI	GHT (F	T) VS	WAVE P	ERIDD	SECON	(20						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	. 3	7.7	7.8	3.8	1.7	. 8	.1	. 3	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	173	4
6-7	. 1	.5	4.6	9.8	3.7	2.6	1.4	. 7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	181	6
8-9	.0	.1	1.7	5.0	5.9	3.9	3.1	. 8	1.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	170	8
10-11	.0	.0	1.2	1.3	4.2	2.9	2.6	1.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	114	8
12-13	.0	.0	. 3	.7	1.3	. 8	1.6	. 5	. 8	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	47	9
>13	.0	.0	.0	.0	.1	. 3	• 0	. 7	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	18	12
INDET	.4	.5	1.7	2.7	1.2	1.0	.1	. 3	.1	.1	.0	.0	.0	.0	.0	.0	.0	0	.0	63	5
TOTAL	6	58	132	178	138	94	69	32	41	4	3	0	1	0	0	0	0	0	0	765	6
PCT	. 8	8.9	17.2	23.2	18.0	12.3		4.2	5.4	.5	.4	.0	.1	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD:	(PRIMARY)	1922-1969
	(DVER-ALL)	1860-1969

TABLE 1

AREA 0018 PERTH NW 29.95 112.8E

PERCENT FREQUENCY	10	WEATHER	DCCURRENCE	BY	WIND	DIRECTION
-------------------	----	---------	------------	----	------	-----------

					CHOCK	, KE WC	E								
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	5.1	3.5	3.9	.0	.0		.0	11.8	2.1	1.9	.0	.0	.0		84.1
E SE	2.5	2.7	3.0	.0	.0	.0	.0	6.1	2.6	1.7	.0	.0	.7	.0	92.2
S S W	2.3	8.2	2.2	.0	.0	.0	.0	13.5	7.1	.1	1.5	.0	.1	.0	82.9 78.9
NW W	4.2	10.0	1.4	.0	.0		.4	17.4	7.0	1.8	.2	.0	.7		72.4
CALM	7.1	.0	7.1	•0	•0		.0	7.1	.0	.0	.0	.0	.0		92.9
TOT PCT	3.6	7.2	1.9	•0	•0	:0	.1	12.6	4.1	1.7	.3	.0	.2	.0	81.6

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA .	
HOUR (GMT)	RAIN	RAIN	DRIL	FRZG	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WD PCPN	PCPN PAST HR			ND SIG WEA
00803	2.2	6.8	2.2	.0	• 0	.0	.0	11.2	3.8	.5	.0	.0	.5	.0	83.8
90330	4.3	7.4	2.8	.0	.0	.0	. 4	14.2	3.2	.0	.4	.0	.0	.0	82.3
12615	3.9	6.0	.3	.0	• 0	.0	.0	10.1	5.2	2.8	. 8	.0	. 3	.0	81.3
18821	4.4	8.5	2.5	.0	•0	.0	.0	15.0	3.8	3.1	.0	.0	.0	.0	79.3
TOT PCT	3.6	7.1	1.8	.0	•0	.0	.1	12.4	4.1	1.7	.3	.0	.2	.0	81.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	DTS)								HOUR	(GMT)				
WND DI	R 0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N	.4	3.8			.2	.0			13.8	10.3	12.0		10.8		10.5	9.4		
NE	. 5	5.7	4.4	. 7		.0		11.3	11.5	13.1	17.2	13.2	8.2	7.7	10.5	10.6	11.8	
E	.2	4.8	3.9	.2	.0	.0		9.1	10.5	10.7	8.3	7.5	6.0	8.0	13.3	7.6	14.5	
SE	.6	4.6	5.0	.4	.0	.0		10.6	11.4	11.1	10.9	11.5	10.2	12.4	6.9	10.0	7.0	
5	.4					.0		10.6	13.0	9.3	5.8	11.0			7.7	12.9		
SW	. 5	5.4				- 1		17.7	17.5	18.5	13.4		20.2					
W	.4	4.7			1.9	. 4		18.6	18.8	17.5	19.2							
NW	.2							10.5	17.2	8.9	13.1		11.7	10.0	10.3	11.8	10.8	
VAR		.0				• 0			2.0	.0	.0	.0		.0	.0	.3		
CALM		•0	•0		• •	• 0		1.2	.1	. 7	.0	.6	1.9			2.4		
	1.2							1.2										
TOT OF		767			97	11	2100		14.7	431	160		162	424	124	297	165	
TOT PE	T 4.5	36.5	39.2	14.6	4.6	. 5		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

		WIND	SPEED	(KNOTS)						HOU	(GMT)
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						085	FREQ	500	03	09	15	21
N	1.8	5.0	2.9	.6	.0		10.2	13.8	10.8	10.7	9.3	9.8
NE	2.6	6.5	1.9	. 6			11.3	11.5	14.2	11.6	8.3	11.0
	2.0	6.0	1.1	.0	.0		9.1	10.5	10.0	7.0	9.2	10.1
SE	2.5	6 . 1	1.9	. 2	.0		10.6	11.4	11.0	11.1	11.2	8.9
S	2.0	5.9	1.9	. 8	.0		10.6	13.0	8.3	11.3	11.6	11.5
SW	2.7	6.9	4.8	2.5	. 8		17.7	17.5	17.1	19.0	18.5	16.2
W	2.1	6.7	5.9	3.2	. 7		18.6	18.8	17.9	17.5	20.6	18.4
NW	. 8	4.7	3.5	1.4	.2		10.5	17.2	10.1	10.8	10.0	11.4
VAR		.0	.0	.0	.0			2.0	.0	.0	.0	. 2
CALM	1.2		• • •				1.2	•1	.5	1.0	1.3	2.4
TOT DAS	369	1002	503	190	36	2100		14.7	591	499	548	462
TOT PCT	17.6	47.7	24.0	9.0	1.7		100.0		100.0	100.0	100.0	100.0

PERIOD:	(PRIMARY)	1922-1969 1860-1969

TABLE 4

AREA 0018 PERTH NW 29.95 112.8E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DBS
60300	. 5	3.9	35.7	41.8	12.0	5.4	.7	14.8	100.0	591
90300	1.0	2.4	37.1	38.5	15.0	5.6	. 4		100.0	499
12615	1.3	3.1	39.4	33.9	18.1	3.8	. 4		100.0	548
18821	2.4	3.7	33.5	42.9	13.4	3.5	. 6		100.0	462
TOT	26	69	767	823	307	97	11	14.7		2100
PCT	1.2	3.3	36.5	39.2	14.6	4.6	. 5		100.0	

TABLE 5

	CT FRE	Q OF T	DTAL	CLOUD A	MOUNT	(EIGHTHS)			PERCEN	TAGE F	REQUEN	CY DF	CEILIN	G HETG	HTS (FT.NH 3	24/8)	
		8	Y WIN	D DIRFO	TION	MEAN							NH <5/					
WIND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	COVER	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	3.7	1.8	3.1	2.1		4.3	.0	.1	.0	.4	.9	. 9	.6	. 1	.1	.1	7.3	
NE	4.1	2.3	2.9	1.7		3.9	.0	.0	.0	. 3	1.1	1.1	. 7	. 2	.0	. 1	7.5	
E	3.4	1.9	1.5	1.4		3.5	.0	.0	.0	. 4	. 8	. 8	.1	. 2	.0	.1	5.7	
SE	2.1	3.6	3.5	1.5		4.5	.0	.0	.0	. 4	1.4	1.0	. 3	. 3	.0	.1	7.2	
S	2.3	2.9	5.0	1.5		4.7	. 3	.0	.0	. 9	2.1	1.6	. 3	. 1	.0	.0	6.3	
SW	2.7	3.9	7.5	1.8		4.8	.1	.0	. 1	1.2	3.2	1.7	1.0	. 0	.0	.0	8.5	
W	2.7	6.5	7.8	1.9		4.7	.1	.0	. 1	1.4	3.5	2.2	. 7	. 2	.0	. 0	10.6	
NW	2.8	2.9	4.2	1.7		4.5	.0	.0	.0	. 7	1.8	1.4	.6	• 0	.1	.0	6.9	
VAR	. 1	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 1	
CALM	1.0	.1	.3	.1		2.4	.0	.0	.0	. 1	.0	.1	.1	.0	.0	.0	1.2	
TOT OBS	225	233	322	122	902	4.4	4	1	2	54	134	97	40	11	2	4	553	902
TOT PCT	24.9	25.8	35.7	13.5	100.0		.4	• 1	. 2	6.0	14.9	10.8	4.4	1.2	.2	.4	61.3	100.0

TABLE 7

CUMULATIVE PCT FREQ (IF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CFILING	 OR 	• OR	- DR	= DR	= DR	= DR	- OR	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	. 8	. 8	.8	.8	.8	.8	.8	.8
■ DR >5000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
■ DR >3500	6.1	6.2	6.3	6.3	6.3	6.3	6.3	6.3
■ UR >2000	15.3	16.5	17.0	17.0	17.0	17.0	17.0	17.0
 DR >1000 	27.1	31.0	31.7	31.8	31.8	31.8	31.8	31.8
■ DR >600	31.9	36.2	37.6	37.7	37.7	37.7	37.7	37.7
• DR >300	32.1	36.5	37.8	37.9	37.9	37.9	37.9	37.9
■ DR >150	32.1	36.6	37.9	38.0	38.0	38.0	38.0	38.0
• DR > 0	32.2	36.9	38.3	38.4	38.4	38.4	38.4	38.4
TOTAL	295	338	351	352	352	352	352	352

TOTAL NUMBER OF OBS: 916 PCT FREO NH <5/81 61.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (FIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCO	TOTAL
7.8	11.6	13.7	14-1	12.A	9.8	10.6	8.6	10.7	. 3	984

RIOD: (PRIMARY) 1: (DVER-ALL) 1:							TA	BLE 8				ARE	4 0018 PERTH NW 29.95 112
		P	ERCENT	FREC PREC	UF WIN	D DIRE	CTION TH VAR	VS DCC	URRENCE ALUES	F OR N	DN-DC	URRENC	E OF
VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL DBS
<1/2	PCP NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	•0	• 0	.0	.0	.0	*	•	•0	.0	.0	.1	
1/2<1	PCP NO PCP	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
	TOT %	.0	. 1	.0	.0	.0	.0	. 1	.0	.0	.0		
1<2	PCP NO PCP	• 1	.1	.0	.0	.1	.0	.1	.0	.0	.0	.3	
	TOT %	• 1	• 1	.0	.1	• 1	. 2	. 1	.0	.0	.0	.5	
2<5	PCP NO PCP	• 2	.0	0.0	.0	.3	.4	.0	.4	.0	.1	1.5	
	TOT %	. 3	• 1	.0	. 1	. 4	.4	.4	.5	.0	. 1	2.3	
5<10	PCP ND PCP	1.5	2.5	1.9	1.8	1.8	4.2	4.7	1.7	.0	.0	8.2	
	TOT %	2.3	2.7	2.1	2.3	2.4	5.9	7.2	2.5	.0	.0	27.4	
10+	PCP NO PCP	7.8	8.1	6.3	7.5	7.0	9.6	11.5	7.2	.0	1.0		
	TOT %	9.0	8.4	6.8	7.8	7.5	10.1	12.5	7.5	• 1	1.0		
	TOT OBS									.1		100.0	1327

TABLE 9

VSBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS	14	.46	-	3 E	3	311			VAIN	CALI		085
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	4-10	.0	.0	.0	.0	.0	*	*	.0	.0		.1	
	11-21	. 1	.0	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.0	.0	.0	.0	*		.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	. 1	.1	.0		. 1	
	11-21	.0	.0	.0	.0	.0	.0	. 1	.1	.0		.1	
	22+	.0	• 1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.0	• 1	.0	.0	.0	.0	.1	.1	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0			.0	.0	.0	.1	
1<2	4-10	.0	. 1	.0	. 1	. 1	. 1		. 1	.0		.5	
	11-21	. 1	.0	.0	. 1	. 1	.0			.0		. 2	
	22+	.0	.0	.0	.0	.0	. 1	.1	.0	.0		.9	
	TOT %	-1	• 1	.0	.1	.2	. 2	. 2	.1	.0	.0	.9	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
245	4-10	.0	.0	.0	.0	.1	. 2	. 2	.1	.0		.6	
	11-21	. 1	. 1	.0	.0	.1	.1	.1	. 2	.0		. 8	
	22+	.1	.0	.0	. 1	.1	. 1	. 1		.0		.5	
	TOT %	.2	• 1	.0	. 1	. 3	.4	.4	.4	.0	.1	1.9	
	0-3	.1	.0		.1	. 2	.2	.1	.1	.0	.1	. 8	
5<10	4-10	1.3	2.2	1.4	1.1	1.4	1.5	1.3	. 8	.0		10.9	
	11-21	1.1	1.5	2.0	1.7	1.1	2.2	2.7	1.1	.0		13.5	
	22+	.7	• 1	. 1	. 1	.5	2.5	3.3	1.2	.0		8.4	
	TOT %	3.2	3.8	3.6	3.0	3.2	6.4	7.4	3.2	.0	.1	33.7	
	0-3	.3	.6	. 3	.5	. 2	2.7	.3	. 2	.1	. 8	3.4	
10+	4-10	2.6	4.0	3.2	2.8	2.9	2.7	2.6	1.9	.0		22.8	
	11-21	3.1	3.2	2.5	3.5	2.5	4.2	5.0	3.1	.0		27.0	
	22+	.8	.4	• 1	.3	1.1	2.4	2.8	2.0	.0		9.9	
	TOT %	6.8	8 . 2	6.0	7.1	6.8	9.5	10.7	7.1	.1	. 8	63.1	
	TOT CAS												1770
	TOT PCT	10.3	12.2	9.6	10.3	10.4	16.5	18.8	10.9	.1	1.0	100.0	

PERIOD: (PRIMARY) 1922-1969 (DVER-ALL) 1860-1969

TABLE 10

AREA 0018 PERTH NW 29.95 112.8F

PERCENT					TS (FEET, NH	>4/81	AND
	DCCUR	RENCE	OF N	H <5/8	BY HOUR		

HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8	TOTAL	
60300	. 4	.0	.0	5.7	19.9	13.4	4.1	1.2	.8	.8	46.3	53.7	246	
90300	•0	.4	.9	7.7	13.2	9.4	5.1	1.7	.0	.9	39.3	60.7	234	
12615	.4	.0	•0	5.3	12.3	8.3	3.1	1.3	.0	.0	30.7	69.3	228	
18621	. 9	.0	•0	4.3	11.5	10.2	4.7	.4	.0	.4	32.3	67.7	235	
TOT	4	1	2	54	135	98	40	11	2	5	352	591	943	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)), BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	.4	1.0	2.0	34.8	61.9	509	00603	.4	.4	7.0	40.1	52.9	242
90360	. 3	.0	. 8	1.5	33.0	64.5	397	06609	.0	1.3	9.8	31.3	58.9	224
12815	.2	.4	1.4	3.0	36.6	58.3	452	12615	.5	.5	6.3	25.3	68.3	221
18621	.0	.2	.7	.7	29.5	69.3	407	18621	.9	.9	6.6	26.5	66.8	229
TOT PCT	.1	.3	16	34	608 33.7	1140	1805	TOT PCT	.4	.8	7.4	284 31.0	564 61.6	916 100.0

TABLE 13

	PERC	ENT FR	EQUENC	YOFR	ELATIV	E HUMI	DITY B	Y TEMP		
TEMP F		20.00				7 0 -0			TOTAL	PCT
IEMP P	0-29	30-39	40-49	50-54	60-69	70-79	80-89	90-100	DBS	FREQ
75/79	.0	.0	.0	.0	. 1	.1	.0	.0	3	. 2
70/74	.0	.0	. 4	1.3	2.3	1.8	1.5	.6	106	7.9
65/69	.0	.1	.4	4.6	12.3	13.3	7.2	2.9	547	40.9
60/64	.0	.1	.2	3.7	14.6	13.0	8.1	3.1	572	42.7
55/59	.0	.0	.0	. 3	1.5	2.9	2.5	.7	108	8.1
50/54	.0	.0	.0	.1	.0	.0	.1	. 1	3	.2
TOTAL	0	2	14	135	414	417	258	99	1339	100.0
PCT	.0	. 1	1.0	10.1	30.9	31.1	19.3	7.4		

TABLE 14

	PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
1	N NE	E	SE	S	SW	W	NW	VAR	CALM
2:	1 .0	.0		.1	.1	.0	.0	.0	.0
		.0	. 3	.5	.1	. 4	1.3	.0	.0
5.	9 5.2	4.1	3.9	3.1	3.6	7.9	6.5	.0	.0
1.		4.3	4.7	5.4	9.6	9.4	3.3	.1	
	3 .7	1.3	. 9	1.7	2.1	. 7	. 3	.0	.4
• 1	• 1	• 1		. 1	.0	.0	.0	.0	.0
10.	7 11.8	10.3	9.8	10.8	15.7	18.4	11.4	.1	1.0

TARLE 15

	MEANS,	EXTREME	S AND	PERCEN	ITILES	OF TEM	IP (DE	G F) B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
60300	79	74	70	64	57	54	53	64.3	570
90310	77	73	72	65	59	56	53	65.2	493
12815	83	74	70	64	59	55	54	64.2	538
18821	72	71	69	63	58	54	51	63.5	470
TOT	83	73	70	64	58	55	51	64.3	2071

		CIT. INE	AOE III	O. KEL		0.101.1	0 100	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300 90300	.0	10.2	29.9	32.1	20.6	7.2	73	374
12615	.0	9.8	29.2	32.0	19.9	9.0	73	366
18821 TOT	.0	8.4	31.3	33.8	20.0	6.6	73 72	320 1369

JUNE

PERIOD: (PRIMARY) 1922-1969 (DVER-ALL) 1860-1969

TABLE 17

AREA 0018 PERTH NW 29.95 112.8E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEXTERATURE DIFFERENCE (DEG F)

AIR-SEA	49	53	57	61	65	69	73	77	TOT	W	WD
TMP DIF	52	56	60	64	68	72	76	80		FOG	FOG
11/13	.0	.0	.0	.0	.0	.2	.0	.0	2	.0	.2
7/8	.0	.0	.0	. (.0	.0	.0	.3	3	.0	.3
6	.0	.0	.0	. 1	.0	.0	. 1	.0	2	.0	. 2
5	.0	.0	.0	. 1	.1	. 1	.0	. 2	5	.0	. 5
4	.0	.0	. 1	. 1	.0	:7	. 5	.0	15	.0	1.4
3	.0	.0	.0	.1	. 4	.9	. 3	.0	2 3 2 5 15	.0	1.6
3 2 1 0 -1	.0	.0	.0	.2	.7	1.3	. 1	.0	25	. 0	2.3
1	.0	.0	.0	.6	1.5	1.6	. 1	.0	40	.0	3.7
0	.0	.0	.3	.6	3.1	1.8	.1	.0	68	. 1	6.2
-1	.0	.0	.6	1.4	3.2	1.8	. 1	.0	78	.0	7.2
	.0	.0	. 4	3.0	4.1	1.6	.0	.0	98	. 1	9.0
-3	.0	.0	.4	3.6	5.5	1.4	.0	.0	117	.0	10.8
-4	.0	. 1	1.2	5.7	4.3	.3	.0	.0	126	.0	11.6
-5	.0	.1	1.9	6.7	4.0	.3	.0	.0	140	.0	12.9
-6	.0	• 1	2.3	4.0	2.4	. 1	. 1	.0	97	. 2	8.8
-7/-8	.0	.2	3.1	6.7	2.0	.1	.0	.0	133	.0	12.3
-9/-10	.0	.4	2.6	2.7	1.0	.0	.0	.0	72	.0	6.7
-11/-13	.0	.4	1.0	1.8	. 1	.0	.0	.0	35	.0	3.2
-14/-16	.0	.1	.3	.0	. 1	.0	.0	.0	5	.0	. 5
-17/-19	. 1	.3	.0	.0	.0	.0	.0	.0	4	.0	. 4
TOTAL	1	_	154		352		16			4	1078
		17		404		133		.5	1082		
PCT	. 1	1.6	14.2	37.3	32.5	12.3	1.5	.5	100.0	. 4	99.6

PERIOD: (OVER-ALL) 1963-1969

				PC	T FREO	OF WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	• 0	•0	. 2		.0	. 2	.0	.0	.0	.0	.2
1-2	. 2	2.9	1.0	.0	• 0	.0	4.0		.3	2.9	.9	.0	.0	.0	4.1
3-4	.0	. 5	2.8	.0	• 0	• 0	3.3		.0	1.0	2.3	.0	.0	.0	3.3
5-6	.0	.0	1.9	.8	•0	• 0	2.7		.0	.0	1.2	. 2	.0	.0	1.4
7	.0	.0	. 4	.6	• 0	.0	1.0		.0	.0	. 2	.0	.0	.0	. 2
8-9	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.2	• 0	. 2		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.4	• 0	•0	. 4		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.2	• 0	• 0	.2		.0	.0	.0	. 2	.0	.0	. 2
17-19	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	•0	•0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	•0	•0	.0		•0	.0	.0	.0	.0	.0	.0
26-32 33-40	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	• 0	• 0	.0		•0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
	.0	.0	.0		•0	•0	.0		•0	.0	.0	.0	.0	.0	.0
61-70 71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+		.0	.0	.0		•0	.0					.0	.0		.0
TOT PCT	.0	3.7	4.1	2.0	.0	.0	.0		.0	4.1	4.6	.0	.0	.0	9.5
TUT PUT	• 6	3.1		2.0	• 2	.0	12.0		.,	7	4.0	.4	.0	.0	4.5
				F								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	. 2	. 2	.0	.0	.0	.0	. 4		.0	. 2	.0	.0	.0	.0	. 2
1-2	.0	2.2	. 8	.0	.0	.0	3.0		. 2	. 8	. 1	.0	.0	.0	1.1
3-4	.0	1.0	2.9	.0	.0	.0	4.0		. 2	. 7	2.0	.2	.0	.0	3.1
5-6	.0	. 2	. 8	.0	.0	.0	1.0		.0	.0	2.0	.0	.0	.0	2.0
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	. 9	.0	.0	.0	. 9
8-9	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.4	.0	.0	.0	:4
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	. 2	.0	.0	. 2
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	. 1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	. 2	.0	.0	. 2
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	•0	•0	.0		• 0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	•0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	•0	•0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	•0	• 0	.0		•0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	. 2	3.7	4.6	.0	• 0	• 0	8.5		. 4	1.7	5.3	.7	.0	.0	8.2

									JUNE							
PERIOD:	LOVE	R-ALL)	1963-1	969									AREA	0018	PERTH N	
								TABLE	18 (CONT	,				29	.95 112	.8E
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
				S								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	. 4	.0	.0	.0	.0	. 4		.0	. 3	.0	.0	.0	.0	.3	
1-2	.4	1.8	.4	.0	.0	.0	2.6		.3	.8	.4	.0	.0	.0	1.5	
3-4	.0	.7	2.5	. 2	.0	.0	3.3		.0	. 6	2.7	. 2	.0	.0	3.8	
5-6	.0	.0	.7	.2	.0	.0	. 9		.0	. 4	1.3	.2	. 2	.0	2.1	
7	.0	.0	. 3	.7	.0	.0	1.0		.0	.0	1.3	. 9	.0	.0	2.2	
8-9	.0	.0	. 2	.4	.0	.0	.6		.0	.0	. 4	. 9	. 4	.0	1.8	
10-11	.0	.0	.0	. 2	.3	.0	. 5		.0	.0	. 1	.3	. 4	.0	.7	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.2	.0	.0	. 2		.0	.0	.0	.4	. 1	.0	.5	
17-19	.0	.0	.0	. 2	.0	.0	.2		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	. 2	.0	. 2		.0	.0	.0	.0	.2	.0	. 2	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	. 0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	. 4	2.8	4.1	2.1	.5	.0	10.0		.3	2.3	6,2	3.0	1.3	.0	13.1	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.2	.0	.0	.0	• 0	.0	.2		.0	.0	.0	.0	.0	.0	.0	
0.70	• -				• 00	• 0										

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.6	1.5	.0	.0	.0	.0	4.1	. 563
1-2	1.3	14.0	5.5	.0	.0	.0	20.7	
3-4	.2	7.4	19.0	2.6	.0	.0	29.3	
5-6	.0	. 9	15.5	3.3	.4	.0	20.1	
7	.0	.0	6.3	5.0	.2	.0	11.6	
8-9	.0	.0	2.2	3.5	. 9	.0	6.6	
10-11	.0	.0	.2	1.7	1.1	.0	3.1	
12	.0	.0	.0	.4	.0	.0	. 4	
13-16	.0	.0	. 2	1.3	.7	.0	2.2	
17-19	.0	.0	.0	.9	. 2	.0	1.1	
20-22	.0	.0	.0	.0	.9	.0	. 9	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								458
TOT DET	4 1	22 0	40 0	10 0	4.4	0	100.0	

PERIOD: (OVER-ALL) 1949-1969 8-9 10-11 .1 .6 2.5 1.1 3.8 2.8 2.7 3.1 .7 1.1 .1 .4 .4 .4 .6 2 72 11.6 10.2 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48

.0 .3 .0 .0 .0 .0 .0 .0 .0

.0 .1 1.0 .1 .0 .0 .0 .0 .0

2.0 2.1 1.0 .3 .0 .0 .0 .0 .0

2.5 4.5 1.0 .4 .4 .0 .1 .0

1.4 2.5 .4 .8 .0 .0 .0 .0 .0

.4 .4 .4 .1 .1 .0 .0 .0 .0

.5 1 85 19 16 3 3 1 1

7.2 12.0 2.7 2.3 .4 .4 .1 .0 PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 7 1.8 5.9 4.2 2.0 1.8 .4 .8 121 17.1 3-4 5.8 3.1 .6 .6 .4 .0 1.3 83 3.0 4.7 3.0 .8 1.3 .0 1.1 98 125 141 141 129 75 21 75 708 100.0 MEAN HGT 4 7 9 11 11 15 5 1.1 .0 .0 .0 .0 .0 2.3 24 0000000000 .0000000000 .000000000 5.1 .1 .0 .0 .0 .0 1.7 50 7.1 1.1 2.8 3.1 1.1 1.0 72 .0.0.0.0.0.0.0

0

0

0

JULY

PERIOD: (PRIMARY) 1921-1970 (OVER-ALL) 1857-1970

TABLE 1

AREA 0018 PERTH NW 29.95 112.7E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATION	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMJKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N	8.5	5.5	3.0	.0	.0	.0	.0	17.0	4.3	.0	.6	.0	.0	.0	78.1
NE	1.4	.9	.9	.0	.0	.0	.0	3.3	. 2	.0	. 5	.0	.9	.0	95.0
-	. 9	1.7	.0	.0	.0	.0	.0	2.6	.0	.0	. 9	.0	.0	.0	96.5
SE	.9	.0	.2	.0	.0	.0	.0	1.1	. 2	. 9	3.0	.0	.0	.0	94.9
5	1.5	3.1	1.0	.0	. 6	.0	.0	5.6	1.9	.0	2.7	. 8	.0	.0	89.0
SW	3.6	12.9	.4	.0	.0	.0	.0	16.9	4.9	1.0	. 6	.0	.0	.0	77.3
W .	3.5	13.2	1.9	.0	.0	.0	.0	18.7	5.4	.4	1.5	.0	.0	.0	74.4
NW	2.3	14.0	1.9	.0	.0	.0	.0	18.1	4.7	.4	1.5	.0	.0	.0	75.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
					-		.0	.0	12.5	.0	.0	.0	.0		87.5
CALM	.0	• 0	.0	• 0	• 0	.0	.0	.0						••	
TOT PCT TOT OBS:	2.8 1183	7.9	1.1	.0	•0	•0	.0	11.8	3.3	.4	1.4	.1	. 1	.0	83.2

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENDA	1ENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00£03 06£09 12£15 18£21	3.5 1.6 2.4 3.3	7.1 8.0 10.1 6.6	.3 1.2 .9 2.0	.0	.0	.0	.0	10.9 10.8 13.4 11.8	1.9 4.0 3.9 3.3	.6	1.0 1.2 3.0	.0	.0	•0	86.2 84.1 78.6 84.6
TOT PCT TOT UBS:	2.7	8.0	1.1	.0	.0	.0	.0	11.8	3.2	.5	1.3	.1	.1	.0	83.2

TABLE 3

PERCENTAGE EREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				renu	PAGE	CHERDE	NE - DI										
		WI	IN SPE	ED (KN	ots)									(GMT)			
WNO DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	0.6	09	12	15	18	21
N	. 1	2.4	2.7	2.0	.3			7.6	16.7	8.5	11.0	7.3	7.9	7.0	5.8	6.5	
NE	. 2	3.6	3.2		. 2	.0		8.0	12.8	9.0	12.2	6.2	8.5	6.2	5.8	10.3	7.7
F	. 4	4.9	3.9			.0		9.7	11.0	10.7	13.4	9.3	7.1	7.9	12.4	9.8	10.3
SE	. 4	4.B	4.7		.0	.0		10.2	10.9	A . 4	11.6	11.5	9.7	13.1	11.9	7.9	7.1
5	. 5	4.7	4.8		. 1	.0		11.1	12.3	12.5	6.0	12.6	9.7	11.4	10.2	11.4	9.4
SW	.5	6.2	7.9			.1		21.6	17.5	21.4	16.7	20.3	21.5	22.5	22.6	23.8	21.7
₩	. 4	4.3	5.9		2.0	.1		18.9	20.0	17.5	18.2	22.1	18.5	18.2	18.6	17.7	20.9
NW	.4	3.3	4.3		7			11.9	17.5	11.0	10.9	10.2	15.3	12.3	11.9	11.1	14.9
VAR	.1	.0	.0	.0	.0	.0		.1	2.0	.0	.0	.3		.0	.0	. 3	. 0
CALM	.9	.0	•0					.9	.0	1.0	.0	.3	1.8	1.5	. 9	1.0	
TOT UBS	80	691	753	394	92	9	2019		15.5	395	129	332	170	413	113	292	
TOT PCT	4.0		37.3			.4		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT FREQ	MEAN SPD	00	06 09	12 15	18
N NE	1.1	2.8	2.8	.9	:1		7.6	16.7	9.2	7.5	6.7	6.9
E	2.1	6.1	1.4	. 1	.0		9.7	11.0	11.4	8.6	8.8	10.0
5 €	2.6	5.8	1.7		.0		10.2	10.9	9.2	10.9	12.9	7.6
5	2.4	6.0	2.3	.4	.0		11.1	12.3	10.9	11.6	11.1	10.7
SW	2.7	7.7	7.3	3.3	. 5		21.6	17.5	20.2	20.7	22.5	53.0
W	2.2	5.5	6.0	4.3	. 9		18.9	20.0	17.7	20.9	18.3	18.9
NW	1.6	4.0	4.3	1.7	. 3		11.9	17.5	11.0	11.9	12.2	12.5
VAR	. 1	.0	.0	.0	.0		. 1	2.0	.0	. 2	.0	. 2
CALM	.9						.9	.0	. 8	. 8	1.3	. 9
TOT DAS	349	855	552	227	36	2019		15.5	524	502	526	467
TOT PCT	17.3	42.3	27.3	11.2	1.8		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1921-1970 (OVER-ALL) 1857-1970

TABLE 4

AREA 0018 PERTH NW 29.95 112.7E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HQUR	CALM	1-3	4-10	WIND 11-21	SPEED (34-47	48+	MEAN	PCT FREQ	TOTAL
00603	. 8	1.3	31.5	40.6	20.6	4.6	. 6	16.1	100.0	524
90300	. 8	3.0	35.3	38.2	17.1	4.8	. 8		100.0	502
12615	1.3	4.8	35.9	33.1	20.5	4.0	. 4	15.1	100.0	526
18621	.9	3.0	34.3	37.3	19.7	4.9	.0	15.4	100.0	467
TOT	19	61	691	753	394	92	9	15.5		2019
PCT	.9	3.0	34.2	37.3	19.5	4.6	. 4		100.0	

TABLE 5

TABLE 6

P	CT FRE			LOUD A		(EIGHTHS)							CEILIN					
WND DIR	0-2	3-4	5-7	3 8	TOTAL	CLDUD	000	150	300	600	1000	2000	3500	5000	6500		NH <5/8	
				OBSCO	nas	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	DBS
N	1.3	.7	3.3	1.2		5.0	.0	.0	. 2	. 1	.5	1.1	.3	. 3	.0	. 2	3.9	
NE	3.0	1.0	2.9	1.0		4.0	.0	.0	. 2	. 2	. 8	.6	. 7	.0	.0		5.5	
E	4.8	1.6	2.6	1.7		3.6	.0	.0	.0	. 3	1.1	1.3	. 3	.0	• 1	. 2	7.4	
SF	4.4	2.8	3.7	. 6		3,5	.0	.0	.0	. 3	. 7	1.2	.5	. 4	. 1	. 2	8.3	
S	3.1	3.0	5.2	1.0		4.3	.0	.0	. 1	. 5	2.0	1.5	1.0	. 1	.0	.0	7.2	
SW	3.7	5.8	9.9	2.1		4.7	.1	.0	. 2	1.5	3.3	1.8	1.8	. 5	.0	. 3	12.0	
W	2.8	5.2	7.7	3.2		4.9	.0	.0	. 1	1.6	3.9	2.4	. 5	. 3	.0	.0	10.1	
NW	2.0	2.2	3.6	1.7		4.8	.0	.0	. 5	.6	1.4	. 7	.6	. 2	.0	.0		
VAR	.1	.0	.0	. 1		5.0	.0	.0	.0	.0	.0	. 1	.0	.0	.0	.0	.1	
CALM	.1	.0	.4	.1		5,2	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.1	
TOT OBS	197	172	304	99	772	4.4	1	0	10	38	109	84	44	13	2	.7	464	772
TOT PCT	15.5	22.3	39.4	12.8	100.0		. i	.0	1.3	4.9	14.1	10.9	5.7	1.7	. 3	. 9	60.1	100.2

TABLE 7

CUMULATIVE PCT						
OF CEILING HE	IGHT	(NH	>4/8	1 AND	VSBY	(NM)

				VSBY (NI	M)			
CEILI	NG . DR	- CR	= DR	= DR	 OR 	- OR	 DR 	- DR
(FEFT) >10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >65	00 1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
. DR >50	00 2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8
- DR >35	00 8.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0
. DR >20	00 17.4	19.2	19.6	19.6	19.6	19.6	19.6	19.6
. OR >10	00 29.0	32.7	33.5	33.5	33.5	33.5	33.5	33.5
. DR >60	0 32.4	37.4	38.4	38.4	38.4	38.4	38.4	38.4
. DR >30	0 32.6	37.9	39.3	39.3	39.6	39.6	39.7	39.7
■ DR >15	0 32.6	37.9	39.3	39.3	39.6	39.6	39.7	39.7
■ DR > 0	32.6	37.9	39.4	39.4	39.7	39.7	39.8	39.8
TOT	AL 258	300	312	312	314	314	315	315

TOTAL NUMBER OF OBS: 791

PCT FRED NH <5/81 60.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085CD 085 9.6 9.8 13.6 12.7 12.4 9.0 13.3 9.2 10.4 .0 896

JULY PERIOD: (PRIMARY) 1921-1970 (EVER-ALL) 1857-1970 AREA 0018 PERTH NW 29.95 112.7E PERCENT FREQ UF HIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY VAR CALM PCT TOTAL E 5 SW SF VSBY (NM) .0 .1 .0 .1 .0 .0 .0 .0 <1/2 .1 .0 .1 .0 .1 .0 .0 .0 .0 .0 .0 .0 .1 .0 .1 .1 .2 .1 .0 .0 1/2<1 NO PCP 1<2 .1 2<5 PCP NO PCP TOT % .7 1.6 2.3 2.9 2.0 2.4 4.8 7.1 5<10 1.2 13.0 14.2 .9 10.9 11.8 6.2 7.5 7.5 5.7 5.8

9.7

9.0

TOT OBS

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

9.8 10.9 21.8 19.8 11.1

1173

.7 100.0

					MI IH	AKT INC	VALUE	3 0, .					
VSBY (NM)	SPD KTS	N	NE	E	SE	5	SW	*	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	. 1	.0	.0		.1	
	TUT %	.0	• 0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	*	• 1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %		• 1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	• 1	*	.0	. 1	.0	.0	.0	.0		. 2	
	11-21	.0	.0	.0	.0	.0	.0	.1	.0	.0		.1	
	22+	.0	• 0	.0	.0	. 1		. 1	. 1	.0		. 3	
	TOT %	.0	• 1		.0	.2	*	.2	. 1	.0	. 0	.6	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.1	.0	. 1	.1	.1	.0	.1	. 1	.0		.4	
	11-21	.0	.0	.0	.0	.0	. 1		.1	.0		.3	
	22+	. 1	• 1	.0	.0	. 1	.3	.3	:	.0		.9	
	TOT %	. 2	• 1	.1	.1	.1	.4	.4	. 2	.0	.0	1.6	
	0-3	.0	.0	. 1	.3	.2	.0	.1	.1	.0	.2		
5<10	4-10	. 8	1 . 2	1.5	1.0	1.2	1.6	1.1	. 8	.0		9.2	
	11-21	1.1	1.5	1.3	1.7	1.7	3.7	2.0	1.4	.0		14.5	
	22+	.9	. 5	. 2	.1	3.7	3.3	4.4	1.4	.0		11.2	
	TOT %	2.8	3.2	3.0	3.1	3.7	8.6	7.6	3.7	.0	.2	35.9	
	0-3		.2	.4	. 3	.3	.4	.1	.1	.1	.8	2.7	
10+	4-10	1.5	2.5	3.3	3.6	3.2	4.2	2.7	2.2	.0		23.2	
	11-21	1.6	2.1	3.0	3.4	3.4	4.8	3.9	2.6	.0		24.8	
	22+	.9	• 1	. 2	. 3	.6	3.1	4.1	1.7	.0		11.0	
	TOT %	4.0	4.9	6.9	7.6	7.4	12.5	10.9	6.7	• 1	.8	61.8	
T	DT DAS												1631
T	OT PCT	7.0	8.4	10.0	10.8	11.3	21.5	19.1	10.7	• 1	1.0	100.0	

PERIOD: (PRIMARY) 1921-1970 (DVER-ALL) 1857-1970

TABLE 10 AREA 0018 PERTH NW 29.95 112.7E

PERCENT PREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

					0.0	Contract							
HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	. 9	4.9	15.7	13.5	8.5	2.2	.4	1.3	47.5	52.5	223
05609	.0	.0	1.0	3.8	13.9	9.6	7.2	1.9	.0	1.0	38.3	61.7	209

12815 .5 .0 1.0 6.3 9.7 8.7 2.9 1.0 .0 .5 30.6 69.4 206 .0 2.0 3.5 13.1 8.1 4.5 1.0 .5 .5 33.3 66.7 7 315 521 836 .8 37.7 62.3 100.0 0 10 39 110 84 49 13 2 .0 1.2 4.7 13.2 10.0 5.9 1.6 .2

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM) 1,8Y HOUR	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	DRS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	. 2	•0	.5	1.4	35.5	62.5	440	00803	.0	.9	7.4	41.9	50.7	215
06809	.0	.3	.5	1.3	33.7	64.2	386	06609	.0	1.0	6.0	33.8	60.2	201
12615	.0	• 2	.9	2.0	40.0	56.9	452	12815	.5	1.6	8.5	25.0	66.5	188
18621	.0	•0	. 3	1.6	33.2	65.0	386	18821	.0	2.1	6.4	28.9	64.7	187
TOT PCT	.1	2 •1	.5	26	595 35.8	1031	1664	TOT PCT	.1	11	56 7.1	259 32.7	476 60.2	791 100.0

TABLE 13

	PERCE	NT FRE	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP				PERC	ENT FR	EQUENC	Y DF	IND DI	RECTIO	N BY T	EMP	
TEMP F								90-100	TOTAL	PCT	N	NE	E	SE	s	SW	W	NW	VAR	CALM
70/74	.0	.0	.1	.3	.4	.4	. 2	. 1	18	1.5	.5	.2	.2	.1	.0	.0	. 2	.3	.0	.0
65/69	.0	.1	. 5	4.6	7.2	8.0	4.6	1.6	313	26.6	3.4	3.0	2.5	3.2	2.4	2.5	4.0	5.2	. 1	. 3
60/64	.0	. 1	1.3	7.1	20.1	15.0	8.3	3.4	650	55.3	3.0	4.7	5.8	5.4	7.1	12.4	11.3	4.9	.1	.5
55/59	.0	.0	.1	2.1	5.1	5.3	2.8	. 9	191	16.2	. 4	1.6	1.6	. 8	2.7	5.9	2.9	. 4	.0	.0
50/54	.0	.0	.0	.0	.0	.1	. 2	. 1	4	.3	.0	.0	.0	.0	. 2	. 2	.0	.0	.0	.0
TOTAL	0	2	23	167	386	338	189	71	1176	100.0										
PCT	.0	. 2	2.0	14.2	32.8	28.7	16.1	6.0			7.3	9.5	10.1	9.5	12.3	21.0	18.5	10.9	. 2	. 9

TARLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOUR	t
HITUR	мдх	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-69	90-100	MEAN	TOTAL
£0300	75 75	72	58	62	57 58	55 55	52	62.4	514 485	60300 60300	.0	13.2	28.1	34.2	17.7	5.8	72 58	310
12615	78 70	72	57	62	58 57	56	54	62.5	521 468	12615	.0	15.8	37.9	26.1	14.2	6.0	70	330
TOT	78	71	68	62	57	55	50	62.6	1988	TOT	0	198	390	344	196	74	71	1202

JULY

PERIOD: (PRIMARY) 1921-1970 (OVER-ALL) 1857-1970

TABLE 17

AREA 0018 PERTH NW 29.95 112.7E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS. AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	49	53	57	61	65	69	73	77	TOT	W	WD
TMP DIF	52	56	60	64	68	72	76	80		FUG	FOG
9/10	.0	.0	.0	.0	.2	.0	.0	.0	2	.0	.2
6	.0	.0	.0	.0	.0	.0	. 4	.0	4	.0	. 4
5	.0	.0	.0	. 2	.0	.0	. 2	. 1	5	.0	. 5
4	.0	.0	.0	. 1	. 1	.1	.4	.0	5 4 11	.0	.4
3	.0	.0	.0	. 2	.6	.2	. 1	.0	11	. 1	1.0
2	.0	.0	.0	1.2	.4	. 3	.0	.0	15	. 1	1.5
1	.0	.0	.0	1.2	2.1	1.1	.0	.0	43	.0	4.5
5 4 3 2 1 0 -1 -2 -3	.0	. 1	. 5	2.2	2.4	.5	.0	.0	55	.1	5.6
-1	.0	.0	.6	3.7	3.6	. 7	.0	.0	84	. 3	8.4
-2	.0	.0	1.1	3.8	3.9	. 2	.0	.0	88	.0	9.1
-3	.0	.0	1.6	6.3	4.3	. 1	.0	.0	118	. 4	11.6
-4	.0	. 1	2.5	7.2	1.5	. 1	.0	.0	109	. 3	11.0
-5	.0	.2	3.5	7.2	1.7	.0	.0	.0	121	. 1	12.5
-6	.0	.1	4.0	5.0	1.2	.0	.0	.0	100	. 2	10.2
-7/-8	.0	. 4	4.6	5.6	.5	.0	.0	.0	107	.0	11.1
-9/-10	. 1	. 5	4.7	1.6	.0	.0	.0	.0	66	.0	6.9
-11/-13	. 2	. 3	1.8	. 2	.0	.0	.0	.0	24	.0	2.5
-14/-16	. 1	.3	.3	.0	.0	.0	.0	.0	7	.0	. 7
TOTAL	4		243		217		8			16	947
		20		437		33		1	963		
PCT	.4	2.1	25.2	45.4	22.5	3.4	. 8	. 1	100.0	1.7	98.3

PERIOD: (DVER-ALL) 1963-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 1-3 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 22 23-25 26-32 33-40 61-70 71-86 48+ 48+ 1-3 34-47 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 33-40 41-48 49-60 61-70 71-86 1-3 22-33 48+ 11-21 .0 .6 2.2 1.5 .0 .0 .0 .0 .0 .0 .0 .0 48+ 1-3

		JULY			
PERIOD: (DVER-ALL)	1963-1970	TABLE 18 (CONT)	REA 0018 PE 29.95	112.7E	
		POT FRED DE MIND SOCIO (MTS) AND DIRECTION VERSUS SEA HEIGHTS	/F7)		

PERIOD: (DVER-ALL) 1949-1970 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) PERIOD (SEC) 66-7 8-9 10-11 12-13 >13 INDET TOTAL PCT MEAN HGT 47 9 10 12 14 5 5-6 1.6 4.6 2.1 2.1 .0 2.1 73 12.8 76 119 116 113 48 42 56 570 100.0 2.6 3.9 2.8 1.4 .7 2.3 82 14.4 6.0 4.6 1.1 .7 .4 .0 1.1 78 13.7 1.1 3.2 4.2 3.7 .5 .4 .4 .76 2.3 4.9 3.5 1.6 1.6 .5 83 .0 .5 .2 .5 .2 .9 .2 .14 2.5 .0 .4 .7 .5 .4 .4 .0 13 2.3 .0 .4 .2 .2 1.1 .4 .0 12 2.1 .0 2.8 .2 1.4 3.0 1.4 1.8 .2 52 .0 .0.0.0.0.0.0.0.0.0 .0.0.0.0.0.0 .0000000000 .0.0.0.000 .00.000000 1.1 1.6 2.1 1.2 1.1 .5 46 8.1

AUGUST

PERIOD: (PRIMARY) 1921-1970 (DVER-ALL) 1857-1970

TABLE 1

AREA 0018 PERTH NW 29,95 112.8E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMJKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N	3.2	4.3	1.1	.0	.0	.0	.0	8.6	3.2	3.2	.0	.0	.0	.0	84.9
NE	.0	1.2	1.6	.0	.0	.0	.0	2.8	.0	2.4	.0	.0	.0	.0	94.8
E	.0	3.1	.0	.0	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	96.9
SE	3.3	1.4	.6	.0	.0		.0	5.3	1.7	.6	.0	.0	.6	.0	92.4
5	1.4	3.9	.0	.0	.0		.0	5.3	1.9	.0	.5	.0	.0	.0	92.2
5 W	2.9	10.4	.4	.0	.0	.0	.0	13.7	5.0	.0	. 2	.0	.0	.0	81.1
W	1.7	15.5	1.2	.0	.0	.0	.0	18.5	4.1	.5	. 2	.0	.0	.0	76.8
NW	5.3	15.4	.4	.0	.0	.0	.0	22.1	2.5	1.3	.7	.0	.0	.0	73.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	66.7
CALM	11.1	.0	.0	.0	•0	.0	.0	11.1	.0	.0	.0	.0	.0	.0	88.9
TOT PCT	2.5	8.3	.6	.0	•0	.0	.0	11.4	2.9	.6	.2	.0	.1	.0	85.0

TABLE 2

DEDCENT	CRECHENCY	DE	WEATHER	OCCURRENCE	av	HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HP		SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	2.2 1.6 3.5 2.6	7.9 6.6 7.7 10.5	.3 .8 .5	.0	.0	.0	.0	10.4 8.9 11.7 13.8	4.4 3.1 1.9 2.3	.0 .0 1.1 1.0	.0 .8 .0	.0	.0	.0	84.9 87.9 84.8 82.9
TOT PCT	2.6	8.2	.6	.0	•0	.0	.0	11.3	2.9	.6	.2	.0	•1	.0	85.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	ND SPE	ED (KN	ופדמ								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.3	1.7	1.3	.3	.1	.0		3.7	11.6	2.8	5.3	3.0	6.6	3.3	3.2	4.8	
NE	.3	2.5	1.8	.2		.0		4.9	10.4	7.2	6.8	5.1	3.8	3.2	3.2	3.9	4.8
E	. 4	3.1	4.3	• 1	.0	.0		8.0	11.2	10.0	12.1	11.2	3.3	5.3	6.0	8.3	5.1
SE	. 4	6.4	7.6	1.1	. 1	.0		15.6	12.0	15.0	15.1	14.0	15.2	16.5	13.9	19.6	13.3
S	. 8	7.2	6.6	1.1	.1	. 1		15.9	11.7	14.7	10.5	18.1	17.8	17.7	9.7	16.0	15.4
SW	.6	6.8	9.7		.3	.0		20.7	14.3	21.3	15.4	21.6	20.3	19.7	25.9	18.6	23.5
W	.6	6.7	7.4		.5	.0		19.9	15.4	19.8	24.3	17.4	21.7	21.2	22.7	15.7	22.3
NW	.6	3.9	4.3			.1		10.3	13.5	9.0			11.2		13.4	11.8	11.1
VAR	.2	.0	.0	.0	.0	. 0		. 2	2.0	.2	.0	.6	.0	.0	.0	.0	. 0
CALM	1.0	• •			••	• •		1.0	.0	.0	.9	1.2	.0		1.9	1.5	1.8
TOT OBS	100	745	837	239	23	2	1946		13.0	401	114	334	143	408	108	272	165
TOT PCT	5.1	38.3	43.0		1.2	.1	1,40	100.0	13.0	100.0				100.0			

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HOUS	12	18
						una	FREW	300	03	09	15	21
N	1.0	1.9	.6	.2	.0		3.7	11.6	3.3	4.1	3.3	4.0
NE	1.3	2.9	.6	. 1	.0		4.9	10.4	7.1	4.7	3.2	4.2
E	1.7	4.8	1.5	.0	.0		8.0	11.2	10.4	8.9	5.5	7.1
E SE	2.8	10.0	2.5	.3	*		15.6	12.0	15.0	14.4	15.9	17.2
5	3.7	8.9	2.8	.3	. 1		15.9	11.7	13.8	18.0	16.0	15.8
SW	3.0	9.7	6.8	1.0	. 1		20.7	14.3	20.0	21.2	21.0	20.4
W	3.3	8.6	5.7	2.2	. 1		19.9	15.4	20.8	18.7	21.5	18.2
NW	2.2	4.7	2.7	.6	. 1		10.3	13.5	9.1	8.8	11.9	11.5
VAR	. 2	.0	.0	.0	.0		.2	2.0	.2	. 4	.0	.0
CALM	1.0						1.0	•0	.2	477	1.6	1.6
TOT OBS	395	1001	451	91	8	1946		13.0	515	477	516	438
TOT PCT	20.3	51.4	23.2	4.7	. 4		100.0		100.0	100.0	100.0	100.0

AUGUST	

PERIOD: (PRIMARY) 1921-1970 (DVEK-ALL) 1857-1970

TABLE 4

AREA 0018 PERTH NW 29.95 112.85

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEFD (KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL
00603	.2	3.7	41.7	41.4	11.7	1.4	.0	12.8	100.0	515
90300	. 8	4.2	33.3	45.9	14.9	.6	. 2	13.6	100.0	477
12615	1.6	4.7	38.8	41.9	12.2	1.0	.0	12.6	100.0	516
18621	1.6	3.9	39.0	43.2	10.3	1.8	. 2	12.9	100.0	438
TOT	20	80	745	837	239	23	2	13.0		1946
PCT	1.0	4.1	38.3	43.0	12.3	1.2	. 1		100.0	

				-														
P	CT FRE					(EIGHTHS)		1					CEILIN					
		8	Y WIND	DIREC	TION					AND DC	CURREN	CE OF	NH <5/	B BY W	IND D	RECTI	JN.	
						MEAN												
WND DIR	0-2	3-4	5-7	3 8	TOTAL	CLOUD	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
				DBSCD	DBS	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	DBS
N	. 7	.5	1.3	1.0		5.3	.0	.0	.0	.4	.6	.3	.4	.1	.0	.3	1.3	
NE	3.2	7	1.6	.1		2.6	.0	.0	.0	.1	. 8	.1	. 1	.0	.0	. 3	4.2	
-	5.3	1.7	2.9	. ,		2.9	.0	.0	.1	.1	.9	. 7	. 5	• 1	.0	.0	7.7	
ŠE		4.7	4.7	1.3		3.4	.0		.0	. 5	1.2	1.7	.6	. 5	.0	. 1	13.1	
36	7.1							• 1		1.0	2.9	1.5					10.5	
2	4.9	4.7	5.7	1.7		4.0	.0	.0	• 1				. 8	• 1	.0	.0		
Sw	3.2	4.6	9.2	1.5		4.8	.0	.0	. 2	. 9	2.5	2.7	1.4	. 3	. 1	.0	10.5	
W	2.7	4.4	8.4	1.7		4.9	.0	.1	. 4	1.2	2.3	2.7	1.0	.3	.0	.0	9.2	
NW	1.2	1.0	4.2	2.4		5.7	.0	• 1	.0	.9	1.9	. 9	. 5	1.0	.0	.0	3.8	
VAR	. 1	.1	.1	.0		4.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	. 3	
CALM	.6	.0	.1			2.9	.0	.0	.0	. 1	.1	.0	.0	.0	.0	.0	. 6	
TOT OBS	231	179	305	83	798	4.2	.0	2	7	41	107	85	44	18	1	5	488	798
TOT PCT	28.9	22.4	38.2	10.4	100.0		.0	. 3	.9	5.1	13.4	10.7	5.5	2.3	•1	.6	61.2	100.0

TABLE 7

			LLATIVE F CEILIN			B) AND V			
		U	L CEILIN	G HEIGH	(1411 247	6, 410	30. (1414)	•	
					VSBY (NM)			
C	EILING	· OR	· OR	= OR	= OR	= OR	= DR	= DR	. 09
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR	>6500	.9	.9	.9	.9	.9	. 9	.9	
DR	>5000	2.9	3.1	3.1	3.1	3.1	3.1	3.1	3.
OR	>3500	7.9	8.7	8.7	8.7	8.7	8.7	8.7	8.
OR	>2000	17.1	19.1	19.2	19.2	19.2	19.2	19.2	19.
OR	>1000	28.8	32.0	32.5	32.5	32.5	32.5	32.5	32.
DR	>600	31.8	36.5	37.5	37.5	37.5	37.5	37.5	37.
	>300	32.5	37.2	38.3	38.3	38.3	38.3	38.3	38.
	>150	32.6	37.5	38.6	38.6	38.6	38.6	38.6	38.
	> 0	32.6	37.5	38.6	38.6	38.6	38.6	38.6	38.
	TOTAL	263	302	311	311	311	311	311	31

TOTAL NUMBER OF DBS: 806 PCT FREQ NH <5/81 61.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

1 2 3 4 5 6 7 8 OBSCO OBS 11.5 11.4 12.9 11.3 13.0 10.1 9.5 10.7 9.6 .0 877

								AL	IGUST							
PERIOD: (PR	IMARY) 19 ER-ALL) 1	921-1970 857-1970						TA	BLE 8				ARE		PERTH	NW 112.8E
			PI	RCENT	PREC I	F WIN	D DIRECTION WIT	TION	VS DCC	URRENCE ALUES D	F VI	NON-OCC	URRENCE	OF		
	VSBY (NM)		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL		
		PCP	. 1	.0	.0	.0	.0	.0	.0		.0	.0	. 1			
	<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		TOT %	• 1	.0	.0	.0	.0	.0	.0	*	.0	.0	.1			
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	1/261	NO PCP	.0	.0	.0	.0	.0	.0	.0		.0		.1			
	1, 1, 1	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0		. 1			
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		TOT \$.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		PCP	.0	*	. 1	.0	.1	.0	. 2	.2	.0	.1	.7			
	2<5	NO PCP	• 1	.0	.0	. 1	. 1		. 2		.0	.0	.6			
		TOT %	. 1		.1	.1	.2	*	.4	.3	.0	. 1	1.2			
		PCP	• 2	• 1		.4	.6	2.2	3.2	1.8	.0	.0	8.5			
	5<10	NO PCP	1.0	1.1	1.5	2.3	3.1	5.0	4.8	3.3	.0	. 2	22.3			
		TOT %	1.2	1 . 2	1.5	2.7	3.7	7.2	8.0	5.1	.0		30.8			
		PCP	.1	.0	.2	.4	.1	.5	.4	.5	.0	.0	2.1			
	10+	NO PCP	2.3	3.9	6.9	11.1	11.7	12.1	11.4	5.4	. 2		65.7			
		TOT %	2.5	3.9	7.1	11.5	11.8	12.6	11.8	5.9	. 2	.5	67.8			
		TOT DBS												1224		
		TOT PCT	3.8	5 . 1	8.7	14.3	15.7	19.8	20.1	11.4	. 2	.7	100.0			

TABLE 9

	SPD KTS	N	NE	E	SE	5	SW	*	NW	VAR	CALM	PCT	DBS
(MM)	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	082
<1/2	4-10	.0	.0	.0	.0	.0	.1	.1	.0	.0		.1	
	11-21		.0	.0	.0	.0	.0	.0		.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %		.0	.0	.0	.0	.1	.1		.0	.0	. 2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	. 1	.0		.1	
	11-21	.0	.0	.0	.0	.0:	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	- 1	.0	.0	. 1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	. 1	.0	.0	.0	.0		. 1	
	11-21	.0	.0	.0	.0	.0	. 2	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	. 1	. 2	.0	.0	.0	.0	. 2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 1	.1	
2<5	4-10	.0		. 1		.1		. 1	. 1	.0		.5	
	11-21	. 1	.0	.0	. 1		.0	. 1	.1	.0		.2	
	22+	.0	.0	.0			.0	. 2	.0	.0		. 2	
	TOT \$.1	•	.1	. 1	. 2	•	.4	. 2	.0	.1	1.2	
	0-3	. 2	• 1		.2	. 4	. 2	. 2	. 3	.0	. 2	1.7	
5<10	4-10	.6	. 9	. 9	1.5	1.7	2.1	2.4	1.6	.0		11.8	
	11-21	. 2	.6	.7	1.8	2.0	3.6	2,4	1.7	.0		13.0	
	22+	. 1	.0	. 1	. 4	. 6	2.0	2.8	1.1	.0		7.1	
	TUT %	1.0	1.5	1.8	3.9	4.8	7.8	7.9	4.8	.0	. 2	33.6	
	0-3	.0	.2	.4	.1	.4	.4	.2	. 2	. 2	. 4	2.6	
10+	4-10	1.1	1.8	2.1	5.0	5.8	4.6	4.0	1.9	.0		26.3	
	11-21	. 9	1.4	3.6	6.2	4.6	5.4	5.0	2.9	.0		29.8	
	22+	. 2	.2		.9	.7	1.5	2,2	.5	.0		6.1	
	TOT %	2.2	3.5	6.1	12.1	11.6	11.9	11.4	5.4	.2	. 4	64.8	
T	OT DAS	3.4	5.1	7.9		16.6	20.0	19.7	10.4	.2	.7		164

PERIOD: (PRIMARY) 1921-1970 (DVER-ALL) 1857-1970

TABLE 10

AREA 0018 PERTH NW 29.95 112.8E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND

nco	HRR	ENC	F OF	F NH	<5/8	BY	HOUR	

HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00803	.0	.5	1.4	6.4	16.0	11.0	8.2	1.4	.0	.5	45.2	54.8	219	
05809	•0	.5	.5	2.7	11.3	12.6	5.0	2.3	.5	1.4	36.5	63.5	222	
12815	.0	.0	1.0	5.5	11.4	9.0	3.0	2.0	.0	. 5	32.3	67.7	201	
18821	.0	.0	• 5	5.1	12.2	7.6	5.1	3.0	.0	.5	34.0	66.0	197	
TOT	0	2	7	41	107	10.1	5.4	18	.1	.7	312	527	839	

TABLE 11

TABLE 12

								CUMULAT					VSBY (NM)	
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR			CEILIN	G HGT	(FEET,	NH >4/8), BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	+0	•0	•2	2.0	32.1	65.7	443	00603	.0	1.9	9.8	36.4	53.7	214
90300	.0	.0	.3	.0	29.4	70.4	385	90330	.0	.9	3.7	33.8	62.5	216
12615	.4	• 2	.4	1.9	39.6	57.4	470	12615	, 5	1.6	7.4	27.1	65.4	188
18821	.3	•0	.0	.3	36.3	63.1	388	18821	.0	.5	5.9	29.8	64.4	188
TOT	3	1	.2	19	582 34.5	1077	1686	TOT	1	10	54	258	494	806

					Acet I.	-														
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF	IND DI	RECTIO	IN BY TI	qP3	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
70/74	.0	.0	.0	.2	1.2	.1	.0	.2	19	1.6	.1	.2	.4	. 2	.4	.1		.1	.0	. 1
65/69	.0	.1	.6	2.4	5.3	6.1	4.1	1.8	244	20.5	2.1	1.6	1.6	3.6	2.1	1.9	3.5	3.6	. 1	. 4
60/64	.0	. 1	1.2	7.5	21.0	15.0	8.2	2.5	661	55.4	1.2	3.8	5.0	9.3	8.4	11.4	10.2	5.7	. 2	. 3
55/59	.0	.0	.1	2.9	6.1	8.3	3.5	1.3	263	22.0	• 2	.6	1.8	2.8	5.5	7.4	2.9	. 8	.0	. 1
50/54	.0	.0	.0	.0	.0	. 2	.3	. 1	6	.5	. 1	.0	.0	. 2	.1	.1	.1	.0	.0	.0
TOTAL	0	2	22	153	400	354	192	70	1193	100.0										
PCT	.0	.2	1.8	12.A	33.5	29.7	16.1	5.9			3.6	6.2	8.8	16.0	16.5	20.9	16.7	10.2	. 3	. 8

TARLE 15

TABLE 16

	MEANS,	XTREME	S AND	PERCEN	TILFS	OF TEN	IP (DE	G F) B	Y HOUR
HUUR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)	78	73	58	62	57	54	50	62.3	DB 5
06609	74	71	69	64	58	55	54	63.7	477
12815	81	72	57	62	57	55	51	62.1	571
18621	69	68	56	61	56	54	52	61.0	444
TOT	81	71	68	62	57	54	50	62.3	1946

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR .0 14.1 29.4 32.5 16.6 7.5 72 .0 22.1 40.4 22.8 10.5 4.2 58 .0 11.8 31.1 31.4 17.2 8.5 72 .0 11.2 34.4 31.3 19.7 3.4 72 0 180 413 365 198 74 71

AUGUST

PERIOD: (PRIMARY) 1921-1970 (OVER-ALL) 1857-1970

TABLE 17

AREA 0018 PERTH NW 29.95 112.8E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	49	53	57	61	65	69	73 76	77	TOT	W	WO
IMP DIF	52	56	60	64	68	12	10	80		FUG	FOG
			_	-		•	0			-	
11/13	.0	• 0	.0	.0	.0	.0	.0	. 1	2 2	.0	. 1
7/8	.0	.0	.0	.0	.0	.0	.1	. 1	2	.0	. 2
5	.0	.0	.0	.0	.1	.0	. 1	.0	2	.0	. 2
5	.0	.0	.0	. 1	. 1	. 1	. 1	.0	4	.0	.4
4	.0	.0	.0	. 1	.0	. 4	. 2	.0	7	.0	.7
3	.0	.0	.1	. 2	. 9	. 3	. 2	.0	17	.0	1.7
2	.0	. 1	. 6	. 4	.3	. 3	.0	.0	17	.0	1.7
1	. 1	.0	. 2	1.1	1.7	. 6	.0	.0	37	.0	3.7
0	.0	.0	.6	2.4	2.3	.5	.0	.0	58	.0	5.8
3 2 1 0 -1	.0	.0	. 9	4.9	3.0	. 5	.0	.0	93	.0	9.4
-2 -3	.0	.0	1.2	6.2	2.6	.0	.0	.0	100	.0	10.1
-3	.0	.0	2.2	7.3	1.4	. 2	.0	.0	110	.0	11.1
-4	.0	.0	2.7	6.2	1.1	.0	.0	.0	100	.1	10.0
-5	.0	. 2	5.2	5.2	. 8	.0	.0	.0	114	.0	11.5
-6	.0	. 1	5.1	4.9	.4	.0	.0	.0	105	.0	10.6
-7/-8	. 1	1.0	7.4	4.4	.3	.0	.0	.0	131	.0	13.2
-9/-10	.0	1.7	3.4	1.3	.0	.0	.0	.0	64	.0	6.4
-11/-13	.0	1.0	1.6	.3	.0	.0	.0	.0	29	.0	2.9
-14/-16	.0	. 1	.0	.0	.0	.0	.0	.0		.0	. 1
-17/-19	. 1	.0	.0	.0	.0	.0	.0	.0	1	.0	.1
TOTAL	3		311		150		7	• •	•	1	992
	,	42	511	449		29		2	993		.,,
PCT	. 3	4.2	2. 2		15.1	2.9	.7	.2	100.0	,	99.9
		4.6	31.3	43.2	13.1	2.7			100.0	. 1	77.7

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 22-33 48+ 1-3 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 1-3 PCT 2 2 2 1 4 4 1 . 0 0 SE 22-33 .00 .00 .72 .11 .00 .00 .55 .00 .00 .00 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
26-32
33-40
41-48
49-60
61-70
71-86
TOT PCT 1-3 48+ 1-3

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT

				PC	T FREO	OF WIND	SPEED	(KTS) AND DIRE	CTION V	ERSUS S	EA HEIC	HTS (FT)			
				s							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	1.2	.0	.0	•0	.0	1.2	.5	. 3	.0	.0	.0	.0	. 8	
1-2	. 2	516	1.5	.0	• 0	.0	7.2	.6	3.9	. 8	.0	.0	.0	5.4	
3-4	.0	2.2	. 8	.0	.0	.0	3.0	.0	3.1	3.0	.3	.0	.0	6.4	
5-6	.0	.3	3.5	. 8	.0	.0	4.6	.0	. 1	2.6	.6	. 5	.0	3.3	
7	.0	.0	2.0	.6	.0	.0	2.6	.0	.3	1.0	. 1	. 3	.0	1.6	
8-9	.0	.0	.0	.9	.0	.0	. 9	.0	.0	.1	. 5	.0	.0	.5	
10-11	.0	.0	.5	.5	.0	.0	1.0	.0	.0	.0	. 8	.0	.0	. 8	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 1	.0	.0	. 1	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	• 2	9.2	8.3	2.8	• 0	• 0	20.5	1.1	7.7	7.6	2.6	. 3	.0	19.3	
				u							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.3	.0	.0	•0	•0	.3	.0	. 3	.0	.0	.0	.0	.3	
1-2	.3	2.0	1.3	.0	.0	.0	3.6	.0	1.7	.3	.0	.0	.0	2.0	
3-4	.0	1.7	3.4	1.0	.0	.0	6.1	.0	. 9	1.7	.0	.0	.0	2.6	
5-6	.0	.6	1.9	.0	.0	.0	2.5	.0	.1	1.4	.3	.0	.0	1.8	
7	.0	.0	.6	. 4	. 2	.0	1.2	.0	.0	.6	.0	.1	.0	. 7	
8-9	.0	.0	.7	.4	.3	.0	1.4	.0	.0	. 5	.3	.0	.0	. 8	
10-11	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	.3	.0	.0	.3	
12	.0	.0	.0	. 2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.7	.0	.0	.7	.0	.0	.0	. 3	.0	.0	. 3	
17-19	.0	.0	.0	.3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	
41-48		•	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	.0	.0			• 0										
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70		.0	.0	.0				.0	.0	.0	.0	.0	.0	.0	
61-70 71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	98.7

нст	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT								
	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
c 1	2.6	2 1	0	.0	.0	.0	4.9	553
							1.5	
					.0			
					.0			
49-60					.0			
61-70								
71-86								
87+	.0	.0		.0	.0	.0		
								388
T PCT	3.6	35.1	48.5	11.9	1.0	.0	100.0	- 10000
	61-70 71-86 87+	1-2 1.0 3-4 .0 5-6 .0 7 8-9 .0 10-11 .0 113-15 .0 113-15 .0 123-22 .0 20-22 .0 23-25 .0 23-24 .0 241-48 .0 41-48 .0 61-70 .0 71-86 .0 87+ .0	1-2 1.0 20.1 3 3-4 .0 10.8 5 5-6 .0 1.5 7 7 .0 .3 8-9 .0 .0 10.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	1-2 1.0 20.1 6.7 3-4 5.5 5-6 10.8 17.5 5-6 10.8 17.5 14.7 7 7 0 3.3 7.2 8-9 10.7 11 0.0 1.5 12 10.7 12 10.1 10.0 1.5 12 10.1 10.0 10.0 1.5 12 10.0 10.0 1.5 12 10.0 10.0 1.5 12 10.0 10.0 1.5 12 10.0 10.0 1.5 12 10.0 10.0 1.5 12 10.0 10.0 1.5 12 10.0 10.0 1.5 12 10.0 10.0 1.5 12 10.0 10.0 1.5 12 10.0 10.0 1.5 12 10.0 10.0 1.5 12 10.0 10.0 10.0 10.0 10.0 10.0 10.0 1	1-2 1.0 20.1 6.7 .0 3-4 .0 10.8 17.5 1.3 5-6 .0 1.5 14.7 2.8 7 .0 .3 7.2 1.3 8-9 .0 .0 1.3 2.1 10-11 .0 .0 .5 2.1 12 .0 .0 .0 .3 13-16 .0 .0 .0 .3 13-16 .0 .0 .0 .3 17-19 .0 .0 .0 .3 20-22 .0 .0 .0 .0 223-25 .0 .0 .0 .0 33-40 .0 .0 .0 .0 41-48 .0 .0 .0 .0 49-60 .0 .0 .0 .0 61-70 .0 .0 .0 .0 670 .0 .0 .0	1-2 1.0 20.1 6.7 .0 .0 .0 .3 .4 .7 .2 .8 .0 .0 .1 .5 14.7 2.8 .0 .0 .7 .0 .1 .3 .2 .1 .3 .8 .9 .0 .0 .1 .3 .2 .1 .3 .2 .1 .3 .10 .11 .0 .0 .0 .5 .2 .1 .0 .1 .2 .0 .0 .0 .3 .1 .3 .0 .1 .1 .3 .8 .8 .9 .0 .0 .0 .3 .0 .1 .3 .0 .1 .3 .0 .1 .5 .1 .3 .0 .1 .5 .1 .3 .0 .1 .5 .1 .0 .1 .5 .1 .0 .0 .0 .3 .1 .3 .0 .0 .1 .5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1-2 1.0 20.1 6.7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1-2 1.0 20.1 6.7 .0 .0 .0 27.8 3-4 .0 .10.8 17.5 1.3 .0 .0 29.6 5-6 .0 11.5 14.7 2.8 .0 .0 19.1 7 .0 .3 7.2 1.3 .8 .0 .0 19.1 7 .0 .3 7.2 1.3 .8 .0 .0 3.6 10-11 .0 .0 .5 2.1 .0 .0 2.6 12 .0 .0 .0 .3 1.3 2.1 .3 .0 .0 2.6 12 .0 .0 .0 .3 1.3 .0 .0 .0 3.6 12 .0 .0 .0 .3 1.3 .0 .0 .0 3.3 13-16 .0 .0 .0 .3 1.3 .0 .0 1.5 20-12 .0 .0 .0 .3 1.3 .0 .0 1.5 20-22 .0 .0 .0 .3 1.3 .0 .0 .0 1.5 20-22 .0 .0 .0 .0 .5 .0 .0 .0 .5 23-25 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

PERIOD: (QVEN-ALL) 1949-1970 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 9 ER IOD (SEC) (6 6-7 9-9 10-11 12-13 313 INDET TOTAL PCT 87+ TOTAL MEAN
HGT
.0 130 4
.0 136 6
.0 135 8
.0 89 10
.0 44 10
.0 17 12
.0 51 6
.0 500 7
.0 100.0 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 7 6-9 10-11 5-6 130 134 135 89 44 17 51 600 7.2 4.3 1.2 .0 .2 .0 .8 82 13.7 1.7 5.7 5.8 3.8 .8 .3 1.2 116 2.3 3.0 2.8 1.7 .2 1.0 68 .5 1.8 3.5 2.5 1.5 .5 1.3 70 .00.00.0000 6.5 .0 .2 .0 .5 .0 .0 .2 .5 .8 0000000000 .2 .3 2.2 1.5 1.2 .7 .2 37 6.2 .0 .5 1.7 1.7 1.5 .8 .3 .0 .2 .7 1.0 .5 .2 .2 16 2.7 .0 0000000000 .00

SEPTEMBER

PERIND: (PRIMARY) 1922-1972 (OVER-ALL) 1855-1972

TABLE 1

AREA 0018 PERTH NW 29.95 112.8E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
N	.0	3.4	.0	.0	.0	.0	.0	3.4	.0	.0	.0	.0	.0		96.6
NE	.0	.0	.0	.0	.0	.0	.0	.0	4.2	.0	2.1	.0	.0	.0	93.7
E	.0	1.6	.0	.0	.0	.0	.0	1.6	.0	1.6	. 8	.0	.0	.0	96.0
SE	.2	.1	.5	.0	.0	.0	.0	.9	1.1	.1	.0	.0	.0	.0	97.9
S	2.1	2.5	.0	.0	.0	.0	.0	4.0	1.3	1.0	.0	.0	.0	.0	93.1
SW	3.5	7.6	2.8	.0	.0	.0	. 2	13.7	4.1	1.2	.0	.0	. 4	.0	80.9
W	2.7	10.9	. 3	.0	.0	.0	. 3	14.2	5.6	.4	1.0	.0	.0	.0	78.8
Ne	2.8	10.9	.0	.0	.0	.0	.0	13.7	5.3	.0	1.2	.0	.0		79.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT TOT UBS:	2.0	5.2	. 8	.0	•0	.0	.1	8.1	2.9	.7	.4	.0	.1	.0	87.9

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR	FUG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNUW	NO SIG WEA
00803 06809 12815 18821	1.4 2.0 3.0 1.8	6.4 3.2 5.1 5.7	.7 .4 .9 1.1	.0	.0	.0	.3	8.4 5.6 9.0 8.6	3.4 2.0 3.0 2.9	.3 .0 2.1 .7	.7	.0	.3	.0	86.8 92.4 85.7 87.5
TOT PCT	2.1	5.2	.8	•0	•0	.0	-1	8.0	2.8	.9	.3	.0	. 2	.0	87.9

....

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

						_											
		WIT	IN SPE	D (KNO	TS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.1	1.2	.5	. 1	.0	.0		1.8	8.9	1.5	1.6	3.9	1.7	. 9	1.8	2.2	. 9
NE	. 2	1.8	. 5	• 1	. 1	.0		2.5	8.5	3.5	3.1	2.8	3.0	1.0	2.1	2.1	3.3
E	. 2	2.9	2.8	.2		.0		6.2	11.8	8.6	6.8	7.9	2.7	4.1	3.6	6.3	6.7
SE	. 5	6.0	9.3	1.3	. 1	.0		17.1	12.9	19.6	13.0	19.4	12.7	14.5	10.8	22.9	15.3
5	. 7	10.3	9.5	2.4	. 2	.0		23.0	12.6	21.9	17.1	23.7	26.7	27.7	22.7	21.7	17.7
SW	.5	9.7	9.3	4.2	. 5	. 1		24.3	14.3	23.1	28.5	23.4		25.0	26.0	21.3	25.8
W	.5	6.2	6.0	2.8	.7	.2		16.4	15.1	15.6	16.3	12.6	15.7	17.7	22.9	16.0	20.0
NW	. 2	2.9	2.7	1.0	.2	.0		7.0	13.8	5.4	12.2			6.5	8.0	5.7	7.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	.0	.0	.0	. 0
CALM	1.5				•	•		1.5	.0	. 8	1.6		.7	2.5	2.1	2.0	3.0
TOT OBS	80	750	740	219	32	4	1825		13.2	359	129			361	97	254	165
TOT PCT	4.4	41.1	40.5	12.0	1.8	. ?	1000	100.0				100.0					

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT	MEAN SPD	00	06 09	12 15	18 21
N NE	. 7	1 - 1	. 1	.0	.0		1.8	8.9	1.5	3.2	1.1	1.7
	1.3	3.3	1.6	.1	.0		6.2	11.8	8.1	6.2	4.0	6.4
S E	2.9	9.5	4.5	. 2	.0		17.1	12.9	17.8	17.2	13.8	19.9
SW	3.8	11.3	6.2	2.1	:1		23.0	12.6	20.6	24.7	26.6	20.1
W NW	2.7	7.9	3.8	1.8	. 2		16.4	15.1	15.8	13.6	18.8	17.6
VAR	1.3	3.3	1.7	.5	.0		7.0	13.8	7.2	7.5	6.8	6.3
CALM TOT OBS	371	898		99	9	1825	1.5	13.2	1.0	460	458	2.4
TOT PCT	20.3	49.2	24.5	5.4	.5	1023	100.0	1312		100.0	100.0	100.0

SEPTEMBER -

PERIOD: (PRIMARY) 1922-1972 (DVER-ALL) 1855-1972

TABLE 4

AREA 0018 PERTH NW 29.95 112.8E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

						WHOTEL				
HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (34-47	48+	MEAN	PCT FREO	TOTAL
HOOK	CAL	1-3	4-10	11-21	22-23	34-41	401	IN E MIN	FREW	003
00603	1.0	3.5	44.7	36.9	11.7	1.6	. 6	13.1	100.0	488
90390	. 4	3.0	39.€	42.4	12.6	2.0	.0	13.5	100.0	460
12615	2.4	2.8	43.0	39.1	11.6	1.1	.0	12.5	100.0	458
18621	2.4	1.9	36.5	44.4	12.2	2.4	. 2	13.6	100.0	419
TOT	28	52	750	740	219	32	4	13.2		1825
PCT	1.5	2.8	41.1	40.5	12.0	1.8	.2		100.0	-

TABLE 5

,	CT FRE			CLOUD A		(EIGHTHS)							CEILIN					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	.5	.2	1.0	.3		5.0	.0	.0	.0	.0	.6	.3	. 2	.1	.0	.0	. 9	
NE	1.0	.0	1.1	. 1		3.7	.0	.0	.0	. 3	. 3	.1	. 1	. 1	.0	.0	1.4	
E	4.5	. 8	. 8	. 3		2.0	.0	.0	.0	.0	.0	. 2	. 2	.0	.0	.0	5.9	
SE	8.5	4.6	5.4	1.6		3.3	.0	.0	.0	. 3	2.3	2.0	1.2	. 3	.0	.0	14.0	
S	8.0	6.5	10.0	2.0		4.2	.0	.0	.0	. 5	4.0	2.5	1.9	. 6	.0	. 4	17.4	
54	3.5	4.8	9.3	3.3		5.0	.0	.0	. 5	1.6	3.7	2.7	1.3	. 5	.3	.0	10.5	
n	2.7	3.4	6.0	1.9		4.6	.0	.0	. 1	. 8	3.1	1.6	1.2	. 2	.0	.0	7.2	
NW	1.4	.6	2.3	1.9		5.2	.1	.0	.0	. 3	1.8	.6	.3	.0	.0	.0	3.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 6	.3	. 1	.0		2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
TUT DBS	237	163	277	93	770	4.1	1	0	4	28	121	76	50	13	2		472	770
TOT PCT	30.8	21.2	36.0	12.1	100.0		• 1	•0	.5	3.6	15.7	9.9	6.5	1.7	.3	.4	61.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NP	1)			
CEILING	■ DR	· DR	= DR	= OR	■ DR	= DR	- OR	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
OR >6500	.6	.6	.6	.6	.6	.6	.6	.6
■ DR >5000	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DR >3500	8.0	8.7	8.7	8.7	8.7	8.7	8.7	8.7
BR >2000	17.1	18.5	18.7	18.7	18.7	18.7	18.7	18.7
OR >1000	30.3	33.8	34.1	34.3	34.3	34.3	34.3	34.3
DR >600	33.4	37.2	37.7	37.8	37.8	37.8	37.8	37.8
UR >300	33.6	37.7	38.2	38.3	38.3	38.3	38.3	38.3
OR >150	33.6	37.7	38.2	38.3	38.3	38.3	38.3	38.3
OR > 0	33.8	37.8	38.3	38.5	38.5	38.5	38.5	38.5
TOTAL	265	297	301	302	302	302	302	302

TOTAL NUMBER OF OBS: 785 PCT FREQ NH <5/81 61.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 14.0 11.0 12.0 12.8 10.1 8.8 10.1 10.8 10.2 .0 888

S	-	0	*	c	-	c	D.

								SEP	TEMBER						
PERIOD:	(PRIMARY) 1 (OVER-ALL) 1							TA	BLE 8				ARI	EA 0018 P	ERTH NW 95 112.8E
			P	ERCENT						URRENCE ALUES				CE OF	
	VSBY (NM)		N	NE	E	SF	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
		PCP	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	<1/2	NO PCP	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		PCP	.0	.0	.0	.0	.0			.0	.0	.0	.1		
	1/2/1	NO PCP	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2		
	1/2/1	TOT %	.0	.0	.0	.0	.0		.1	. 1	.0	.0	.3		
			.0	.0		.0	.0		••	••	.0	.0			
		PCP	.0	• 0	.0		. 1		. 3	. 1	.0	.0	.6		
	1<2	NO PCP	.0	.0	.0	. 0	.0	. 1	.0	.0	.0	.0	. 1		
		TOT %	• 0	• 0	.0	*	. 1	• 1	.3	. 1	.0	.0	.7		
		PCP	.0	• 0	.0	.0		. 2	.2	.0	.0	.0	.4		
	2<5	NO PCP	.0	• 1	.0	.2	.0	. 1	*	. 2	.0	.0			
		TOT %	.0	• 1	.0	.2		. 3	. 2	. 2	.0	.0	1.0		
		PCP	.0	.0	.1	. ī	. 4	2.5	1.2	. 7	.0	. 0	4.9		
	5<10	NO PCP	. 3	. 5	.7	2.8	3.7	6.5	4.5	2.4	.0	.2			
	3110	TOT %	. 3	. 5	.8	2.9	4.1	9.0	5.6	3.0	.0	.2			
		PCP	*	.0	.0		.5	.6	.8	. 2	.0	0	2.1		
	10+	NO PCP	1.0	1.5	4.8	14.8	19.1	14.1	10.0	3.5	.0		69.5		
	10+	TOT %	1.0	1.5	4.8	14.8	19.6	14.6	10.7	3.8	.0	.8	71.6		
		TOT OBS													
		TOT PCT	1.3	2.1	5.6	17.9	23.8	24.1	17.0	7.1	.0	1.0	100.0	1125	

TABLE 9

				PERCE				RECTION			ED		
					WITH V	ARYING	VALUE	S OF V	ISTRIC	ITY			
VSBY (NM)	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	003
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	*	*	.1	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	*	*	. 1	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
1/2<1	4-10	.0	• 0	.0	.0	.0	. 1	. 1	.0	.0		.1	
	11-21	.0	• 0	.0	.0	.0	.0	.0	. 1	.0		.1	
	22+	.0	.0	0	.0	.0		*	.0	.0		. 1	
	TOT %	.0	.0	.0	.0	.0	.1	. 1	. 1	.0	•1	. 3	
	0-3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
1<2	4-10	.0	.0	.0	.0	.0	.2	. 1	.0	.0		. 3	
	11-21	.0	.0	.0	*	4	.0	.0	.0	.0		. 1	
	22+	.0	.0	.0	.0	. 1	. 1	.2	. 1	.0		. 4	
	TOT %	.0	•0	.0	. 2	. 1	.3	.3	- 1	.0	.0	. 8	
	0-3	.0	.0	.0	. 1	.0	.0	.0	.0	.0	.0	.1	
2<5	4-10	.0	• 1	.0	. 1	*	. 1	. 2	.0	.0		. 5	
	11-21	.0	.0	.0	.0	.0	.0	.0	. 1	.0		. 1	
	22+	.0	.0	.0	.0	. C	. 1	. 2	. 1	.0	-	.4	
	TOT %	.0	• 1	.0	- 1		.2	.3	.2	.0	.0	1.0	
	0-3			.1	.1	.2	.1		.0	.0	.1	.7	
5<10	4-10	. 2	.6	.6	1.8	2.5	3.6	2.7	1.2	.0		13.3	
	11-21	. 1	· I	.6	1.7	1.8	3.6	1.6	1.6	.0		11.3	
	22+		.0	.0	. 3	.6	2.2	1.5	. 4	.0		4.9	
	TOT %	. 4	. 8	1.3	4.0	5.1	9.5	5.8	3.2	.0	.1	30.2	
	0-3	. 1	• 1		.2	.6	.3	.4	.1	.0	1.0		
10+	4-10	.6	. 9	2.0	4.2	8.1	6.0	3.4	1.8	.0		27.0	
	11-21	. 3	. 2	1.9	8.0	8.3	6.1	4.5	1.2	.0		30.5	
	22+	.0	• 1	.3	1.0	1.7	1.8	1.8	. 4	.0		7.1	
	TUT %	1.0	1.3	4.2	13.4	18.7	14.2	10.2	3.6	.0	1.0	67.5	
	OT ORS								_				1542
1	OT PCT	1.4	2.2	5.5	17.6	23.9	24.3	16.7	7.1	.0	1.2	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1922-1972 (DVER-ALL) 1855-1972

TABLE 10

AREA 0018 PERTH NW 29.95 112.8E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

					UC	COKE								
HOUR (GMT)	000	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00603	.0	.0	.5	2.9	17.4	10.1	8.7	.5	.0	.0	40.1	59.9	207	
90360	.0	.0	.5	3.3	15.2	7.1	8.1	2.4	.5	, 5	37.4	62.6	211	
12815	.0	.0	. 5	4.2	12.5	8.3	3.7	1.9	.5	. 5	31.9	68.1	216	
18821	.5	.0	.5	3.5	13.4	12.4	3.5	1.5	.0	. 5	35.6	64.4	202	
TOT	.1	.0	.5	29 3.5	122	79 9.4	6.0	13	.2	.4	303 36.2	533 63.8	836 100.0	
PCT	• 1	.0	.5	3.5	14.6	7.4	0.0	1.0	. 2		30.2	03.0	100	. 0

Т			

TABLE 12

		PERCENT	FREQUENC	Y VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.0	.7	1.9	.7	30.7	66.0	423	60300	.0	.5	4.1	38.1	57.9	197
90360	. 3	.3	.5	.5	28.8	69.6	372	00609	.0	. 5	4.5	35.0	60.5	200
12615	.0	.2	1.2	1.9	32.9	63.8	428	12615	.0	. 5	5.6	28.8	65.7	198
18621	.3	.0	.3	.5	30.1	68.8	372	18621	. 5	1.1	4.7	33.2	62.1	190
TOT	2	5	16	15	490	1067	1595	TOT PCT	1	5	37	265 33.8	483 61.5	785 100.0

۰	Δ	R	L	F	13

TABLE 1

				T	ARLE 1.	3									IABL	E 14				
	PERCE	ENT FRE	EQUENC	Y OF R	ELATIVE	HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTION	BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	5	SW	W	NW	VAR	CALM
80/84	.0	.1	.0	.0	.0	.0	.0	.0	1	.1	.0	.0			.0	.0	.0	.0	.0	.0
75/79	.0	.0	.0		.0	. 1	.0	.0	2	. 2	.0	. 1	.0	.0	. 1		.0	.0	.0	.0
70/74	.0	.0	. 2	.6	.7	.8	. 2	. 1	29	2.4	.1	. 5	. 4	. 1	. 6	.0	. 3	. 2	.0	. 2
65/69	.0	.0	. 5	3.0	5.3	7.1	5.8	1.8	278	23.5	.7	. 7	1.8	3.5	5.1	4.1	4.2	3.0	.0	. 3
60/64	.0	.0	. 8	5.1	17.7	17.6	9.6	3.5	643	54.3	.5	. 7	2.3	10.2	12.9	15.2	9.0	3.3	.0	. 3
55/59	.0	.0	. 1		5.5	7.0	3.6	.6	226	19.1		. 2	1.3	3.5	5.2	5.7	2.5	. 4	.0	. 2
50/54	.0	.0	.0		.0	.0		. 2	4	. 3	.0	.0	.0	. 3	.0	. 1	.0	.0	.0	.0
45/49	.0	.0	.0		.0	.0	.0	. 1	1	.1	.0	.0	.0	.0	. 1	.0	.0	.0	.0	.0
TOTAL	. 0	1	19		345	385	229	74	1184	100.0										
PCT	.0	.1	1.6		29.1	32.5	19.3	6.3			1.4	2.2	5.8	17.6	24.0	25.1	16.0	6.9	.0	. 9

TARLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	ITILES	OF TE	MP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	DF
HEUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	7
00603	80	72	69	62	57	55	48	62.5	481	00603	.0	13.2	26.7	
04609	75	73	70	64	59	57	56	64.2	444	90300	.0	20.6	33.0	
12615	73	70	67	62	58	55	54	62.2	475	12815	.0	9.1	25.9	
18821	70	68	66	61	56	54	52	61.3	430	18621	.0	8.0	28.5	
TOT	80	71	68	62	57	55	48	62.6	1830	101	0	154	347	

SEPTEMBER

PERIOD: (PRIMARY) 1922-1972 AREA 0016 PERTH NW (OVER-ALL' 1855-1972 TABLE 17 29.95 112.8E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	53	57	61	65	69	73	TOT		Wn
TMP DIF	56	60	64	68	72	76		FOG	FDG
9/10	.0	.0	.0	. 1	.1	. 1	3 2	.0	.3
7/8	.0	.0	.0	. 2	.0	.0		.0	. 2
6	.0	.0	.0	.0	. 1	.0	1	.0	• 1
5	.0	.0	.0	. 4	. 2	. 1	7	.0	. 8
5	.0	. 1	. 4	. 3	. 2	.0	10	.0	1.1
3	.0	. 2	.4	. 4	.3	.0	13	.0	1.4
3 2	.0	.0	. 4	1.5	1.0	.0	28	.0	3.1
1 0 -1	.0	. 2	1.4	3.6	.3	.0	51	.1	5.5
0	.0	. 9	3.4	5.0	.3	.0	88	.0	9.6
-1	.0	2.2	5.5	3.5	.0	.0	102	.0	11.2
-2	. 1	2.3	8.4	3.2	.0	.0	128	.0	14.0
-3	. 2	2.5	6.0	1.0	. 1	.0	91	.0	10.0
-4	.3	3.4	6.3	. 7	.0	.0	97	.0	10.6
-5	.4	4.5	5.6	. 4	.0	.0	100	.0	11.0
-6	.2	4.5	1.9	. 2	.0	.0	63	.0	6.9
-7/-8	.5	5.8	1.5	. 1	.0	.0	82	.1	8.9
-9/-10	.4	2.6	. 2	.0	.0	.0	30	.0	3.3
-11/-13	.5	.7	.5	.0	.0	.0	16	.0	1.8
TOTAL	26		384		25			2	910
		284		191		2	912		
DOT	2 0	21 1	42.1	20.0	2.7	. 2	100 0	2	90 0

PERIOD: (DVER-ALL) 1963-1972

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 33-25 26-32 33-40 41-48 49-60 61-70 71-86 1-3 4-10 11-21 1-3 34-47 48+ HGT <1 11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 FOT PCT 48+ 1-3 11-21 .0 .7 5.9 3.9 1.9 .0 .0 .0 .0 .0 .0 34-47

p	٨	E	2	1

PERIOD	: (DV	ER-ALL	194	9-1977	2				TABLE	19											
					PERCEN	T FRE	QUENCY	OF WA	VE HEI	SHT (F	T) VS	WAVE P	ERIDO	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	.5	4.1	6.7	5.3	. 8	1.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	127	4
6-7	.0	.6	2.9	3.8	6.6	2.4	2.1	. 2	. 2	. 2	.0	. 2	.0				.0		.0	125	7
8-9	.0	.0	. 9	3.2	8.5	3.7	2.3	1.2	2.0	.3	. 2	.0	.0				.0		.0	145	8
10-11	.0	. 2	.6	2.1	2.0	2.4	2.9	2.0		.3	. 3	.0	. 2		.0	.0	.0	.0	.0	95	9
12-13	.0	.0	.6	. 9	1.2	. 5	.9	1.4	2.4	.6	.6	.0	. 5	.0	.0		.0	.0	.0	63	12
>13	.0	.0	.0	.2	1.2	. 2	.5	. 9	1.2	.0	.6	.0	.0		.0	.0	.0	.0	.0	31	12
INDET	1.1	1.4	2.6	.9	1.1	1.2	1.2	.0	. 5	. 2	.0	.0	. 2				.0	.0	.0	67	6
TOTAL	10	41	94	108	140	79	67	37	52	10	11	1	5	0			0		0	655	7
PCT	1.5	6.3	14.4	16.5	21.4	12.1	10.2	5.6		1.5	1.7	• 2	. 8	.0	.0		.0		.0	100.0	

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нет	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.9	4.7	.0	.0	.0	.0	6.6	003
1-2	.5	18.0	7.0	.0	.0	.0	25.5	
3-4	.0	10.1	23.0	.7	.0	.0	33.7	
5-6	.0	.9	15.2	2.6	.0	.0	18.7	
7	.0	. 2	6.3	2.6	.0	.0	9.1	
8-9	.0	. 9	1.4	.5	.0	.0	2.8	
10-11	.0	.0	.7	.5	.2	.0	1.4	
12	.0	.0	.0	.7	.0	0	. 7	
13-16	.0	.0	.0	. 2	.5	.0	. 7	
17-19	.0	.0	.0	.0	.2	. 2	.5	
20-22	.0	.0	.0	.0	.0	. 2	. 2	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								427
TOT PCT	2.3	34.9	53.6	7.7	.9	. 5	100.0	

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)			
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT	
					-			OBS	
	.0	. 2	6.3				9.1		
	.0	. 9		.5	.0	.0	2.8		
	.0	.0	.7						
	.0	.0	.0		.0	.0			
13-16	.0	.0	.0	.2		.0	. 7		
17-19	.0	.0	.0	.0	.2		.5		
20-22	.0	.0	.0	.0	.0	. 2	. 2		
23-25	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		
41-48						.0			
49-60						.0			
87+	.0	.0	.0	.0	.0	.0	.0		
	<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	HGT 0-3 C1 1-9 1-2 5-6 00 7-7 00 8-9 00 10-11 0 12 19-16 0 17-19 0 20-22 0 20-23 0 20-32 0 41-48 0 49-60 0 61-70 0	HGT 0-3 4-10 C1 1.9 4.7 1-2 .5 18.0 3-4 .0 10.1 5-6 .0 .9 7 .0 .2 8-9 .0 .9 10-11 .0 .0 12 .0 .0 13-16 .0 .0 17-19 .0 .0 20-22 .0 .0 20-23 .0 .0 20-32 .0 .0 33-40 .0 .0 41-48 .0 .0 49-60 .0 .0 61-70 .0 .0 71-86 .0 .0	H6T 0-3 4-10 11-21 C1 1.9 4.7 .0 1-2 .5 18.0 7.0 3-4 .0 10.1 23.0 5-6 .0 .9 15.2 7 .0 .9 15.2 7 .0 .9 15.2 10-11 .0 .0 .7 12 .0 .0 .0 .0 13-16 .0 .0 .0 .0 17-19 .0 .0 .0 .0 20-22 .0 .0 .0 .0 223-25 .0 .0 .0 .0 20-32 .0 .0 .0 .0 41-48 .0 .0 .0 .0 61-70 .0 .0 .0 .0 61-70 .0 .0 .0 .0 71-86 .0 .0 .0 .0	HGT 0-3 4-10 11-21 22-33 C1 1.9 4.7 .0 .0 1-2 .5 18.0 7.0 .0 3-4 .0 10.1 23.0 .7 5-6 .0 .9 15.2 2.6 7 .0 .2 6.3 2.6 8-9 .0 .9 1.4 .5 10-11 .0 .0 .7 .5 12 .0 .0 .0 .7 .5 12 .0 .0 .0 .0 .7 13-16 .0 .0 .0 .0 .0 20-22 .0 .0 .0 .0 .0 22-25 .0 .0 .0 .0 .0 22-25 .0 .0 .0 .0 .0 23-26 .0 .0 .0 .0 .0 24-48 .0 .0 .0 .0 .0 41-48 .0 .0 .0 .0 .0 61-70 .0 .0 .0 .0 71-86 .0 .0 .0 .0 .0	HGT 0-3 4-10 11-21 22-33 34-47 C1 1.9 4.7 .0 .0 .0 1-2 .5 18.0 7.0 .0 .0 3-4 .0 10.1 23.0 .7 .0 5-6 .0 .9 15.2 2.6 .0 7 .0 .2 6.3 2.6 .0 8-9 .0 .9 1.4 .5 .0 10-11 .0 .0 .7 .5 .2 12 .0 .0 .0 .7 .5 12 .0 .0 .0 .7 .0 13-16 .0 .0 .0 .0 .7 .0 20-22 .0 .0 .0 .0 .0 .2 22-25 .0 .0 .0 .0 .0 .0 22-25 .0 .0 .0 .0 .0 .0 22-25 .0 .0 .0 .0 .0 .0 22-25 .0 .0 .0 .0 .0 .0 23-46 .0 .0 .0 .0 .0 .0 41-48 .0 .0 .0 .0 .0 .0 41-68 .0 .0 .0 .0 .0 .0 61-70 .0 .0 .0 .0 .0 61-70 .0 .0 .0 .0 .0 .0	H6T 0-3 4-10 11-21 22-33 34-47 48+ C1 1.9 4.7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	HCT 0-3 4-10 11-21 22-33 34-47 48+ PCT C1 1.9 4.7 .0 .0 .0 .0 .0 .0 .25.5 3-4 .0 10.1 23.0 .7 .0 .0 .0 .0 .3 3.7 5-6 .0 .9 15.2 2.6 .0 .0 .18.7 7 .0 .2 6.3 2.6 .0 .0 .0 .18.7 7 .0 .2 6.3 2.6 .0 .0 .9 1.8 10-11 .0 .0 .7 .5 .2 .0 .0 .0 .2 .8 10-11 .0 .0 .7 .5 .2 .0 .1 .4 12 .0 .0 .0 .0 .7 .5 .2 .0 .1 .4 17-19 .0 .0 .0 .0 .7 .5 .2 .0 .1 .4 17-19 .0 .0 .0 .0 .0 .2 .5 .0 .7 17-19 .0 .0 .0 .0 .0 .2 .2 .5 .0 .7 20-22 .0 .0 .0 .0 .0 .0 .2 .2 .5 228-25 .0 .0 .0 .0 .0 .0 .0 .2 .2 .2 23-25 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	HGT 0-3 4-10 11-21 22-33 34-47 48+ PCT DBS C1 1.9 4.7 .0 .0 .0 .0 .0 .0 .0 .0 .6.6 1-2 .5 18.0 7.0 .0 .0 .0 .0 .0 .25.5 3-4 .0 10.1 23.0 .7 .0 .0 .0 .0 .0 33.7 5-6 .0 .9 15.2 2.6 .0 .0 .0 18.7 7 .0 .2 6.3 2.6 .0 .0 .0 2.8 10-11 .0 .0 .7 .5 .2 .0 .0 2.8 10-11 .0 .0 .7 .5 .2 .0 .1 4 12 .0 .0 .0 .0 .7 .5 .2 .0 1.4 12 .13-16 .0 .0 .0 .0 .2 .5 .0 .7 17-19 .0 .0 .0 .0 .0 .2 .5 .0 .7 20-22 .0 .0 .0 .0 .0 .0 .2 .2 .5 22-25 .0 .0 .0 .0 .0 .0 .0 .0 .2 22-32 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 26-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 21-448 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 41-48 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 41-60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 41-70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

				S							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.4	1.3	.0	.0	.0	.0	1.7	.1	. 7	.0	.0	.0	.0	. 7	
1-2	.0	4.1	.7	.0	.0	.0	4.7	.0	4.1	1.1	.0	.0	.0	5.2	
3-4	.0	2.2	6.5	. 4	.0	.0	9.1	.0	1.9	3,8	.1	.0	.0	5.7	
5-6	.0	.4	4.8	1.1	.0	.0	6.3	.0	. 3	3.5	.5	.0	.0	4.2	
7	.0	.2	1.9	1.1	.0	.0	3.3	.0	.0	1.8	. 8	.0	.0	2.6	
8-9	.0	.4	. 8	.0	.0	.0	1.2	.0	. 3	. 1	. 2	.0	.0	. 7	
10-11	.0	.0	. 2	.0	.0	.0	.2	.0	.0	.0	. 2	.0	.0	. 2	
12	.0	.0	.0	. 2	.0	• 0	.2	.0	.0	.0	.5	.0	.0	.5	
13-16	.0	.0	.0	.2	.0	.0	. 2	.0	.0	.0	.0	.0	.0	.0	
17-19 20-22	0.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0		.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.4	8.6	14.8	3.0	.0	.0	26.5	.1	7.3	10.2	2.3	.0	.0	19.9	
				н							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	• 0	.0	.0	• 0	. 2	.0	.0	.0	.0	. 2	
1-2	.0	3.6	2.7	.0	.0	.0	6.3	.0	1.2	1.4	.0	.0	.0	2.6	
3-4	.0	1.9	4.9	.0	• 0	.0	6.8	.0	.5	1.5	. 2	.0	.0	2.3	
5-6	.0	.0	1.9	.5	• 0	.0	2.4	.0	.0	.1	. 2	.0	.0	. 3	
7	.0	.0	.4	. 2	.0	.0	.6			. 2	.0	.0		. 2	
10-11	.0	. 2						.0					.0		
10-11				.0	.0	.0	. 4	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	. 2	. 2	.0	. 4	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.2	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	•0	.5	.0	.0	.0	.0	.0	.0	.0	
13-16 17-19 20-22	.0	.0	.0	.2	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.2	.0	.0 .0 .0 .2 .2	.4	.0	.0	.0	.00.00	.0	.0	.00.00	
13-16 17-19 20-22 23-25	.0	.0	.0	.2	.2	.0 .0 .2 .2	.4 .5 .0 .0 .5 .2 .0 .0	.0	.00000000	000000000000000000000000000000000000000	.00000000000000000000000000000000000000	.0	.0	.00000000000000000000000000000000000000	
13-16 17-19 20-22 23-25 26-32	.0	.0	.0	.2	.2 .0 .0 .2 .0	.0 .0 .0 .2 .2	.5	.0	.00000000000000000000000000000000000000	.0	.0	.0	.00000000000000000000000000000000000000	.0	
13-16 17-19 20-22 23-25 26-32 33-40	.00.00	.0	.0	.2	.2 .0 .0 .2 .0 .0	.0 .0 .0 .2 .2 .2	.4 .5 .0 .0 .5 .2 .0 .0	.0	.0	000000000000000000000000000000000000000	.00000000000000000000000000000000000000	.0	.0	.0	
13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.0	.00000000000000000000000000000000000000	.0	.2	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	
13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	.0	.0	.0	.2	.2	.0	.4 .5 .0 .0 .5 .2 .0 .0 .0 .0 .0	.0	.0	.0	.0	.00		.00000000000000000000000000000000000000	
13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.0	.0	.0	.2	.2	.0		.0	.0	.0	.0	.00000000000000000000000000000000000000	.0	.0	

PERIOD: (DVER-ALL) 1963-1972 SEPTEMBER
TARLE 18 (CONT) 29.95 112.8E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

.....

									DCTOB							
. 1 . 0 .	(PRIMARY)	1919	-1969										REA 001	B PERT	TH NW	
	OVER-ALL								TABLE	1				29.95	112.6E	
					p	ERCENT	FREQU	ENCY D	- WEATHER	DCCURRENCE	By WI	NO DIRE	CTION			
				0									WEATHER	PHENDA	MENA	
				P	RECIPI	TATIUN	INPE									
	WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	PRZN	HAIL	PCPN AT	PCPN PAST	LTNG	FOG WO PCPN	PCPN PAST HR		SPRAY BLWG DUST BLWG SNDW	
							PCPN					PEPN	PASI NK			
	N	.0	7.1	.0	.0	.0	.0	.0	7.1	8.2	.0	.0	.0	.0	.0	84.
	NE	4.7	.0	1.0	.0	.0	.0	.0	1.0	.0	2.0	2.0	.0	.0	.0	94.
	E SE	.5	.0	.5	.0	.0	.0	.0	.9	.5	. 2	.5	.0	1.3	.0	96.
	S	.3	. 8	1.1	.0	.0	.0	. 0	2.2	: 4	. 8	.3	.0	1.1	.0	95.
	SW	1.7	9.3	.7	.0	.0	.0	.0	10.4	5.4	1.6	.7	.0	.0		83.
	NW	4.0	7.4	1.3	.0	.0	.0	.0	12.6	7.1	1.3	.0	.0	1.3	.0	77.
	VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		•
	CALM	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	100.
	TOT PCT TOT OBS:	1.0	2.7	.7	.0	•0	.0	.0	4.5	1.7	.9	.6	•1	.6	.0	91.
									TABL	E 2						
						P	ERCENT	FREQUE	NCY OF WE	ATHER DCCUR	RENCE	BY HOU	R			
				P	RECIPI	TATION	N TYPE					OTHER	WEATHER	PHEND	MENA	
	HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN	HAIL	PCPN AT	PCPN PAST	THOR	FOG	FOG WO	SMOKE	SPRAY BLWG DUS	NO SI
	101111						PCPN					PCPN	PAST HR		BLWG SNO	WE
	00603	1.3	2.9	1.3	.0	.0	.0	.0	5.4	1.6	.0	.6	.0	1.3		91.
	90300	1.3	2.6	. 3	.0	.0	.0	- 0	4.2	1.6	.6	1.6	.0	.6		91
	12615	1.2	2.6	.6	.0	.0	.0	.0	3.7	1.0	2.0	.3	.3	.3		92
									4.4	1.7	. 9	.6	.1	.6	.0	91.
	TOT PCT	1261	2.7	.7	٠.٥	.0	.0	.0	4.4	1.07	.,	.0		,0	.0	71
									TAR							
									145							
					PERCE	NTAGE	FREQUE	NCY DE		ECTION BY SE	EED AN	D BY H	DUR			
			WIN	SPEE			FREQUE	NCY DF			EED AN	D 84 H		GMT)		
	WND DIR	0-3		SPEE	KND'	75)		TOTAL DRS	WIND DIR		EED AN	D BY H	HOUR (GMT) 12	15 18	
	N	- 1	4-10	11-21 i	22-33	75) 34-47	+8+	TOTAL	PCT MFREQ	EAN 00 SPD	03	06	HOUR (2.2	.9 1.	,
	N NE	•1	.8 1.0	.a .5	22-33	75) 34-47	*8+ .0	TOTAL	PCT MIFREQ	EAN 00 SPD	2.5	1.9	HOUR (09	2.2	.9 1.	?
	N	- 1	4-10	11-21 i	22-33	.0	+8+	TOTAL	PCT MFREQ 1.8 1 1.5 3.8 1 18.5 1	EAN 00 SPD 1.2 1.4 9.4 1.4 5.4 8.0	03 2.5 2.8 4.8	06 1.9 2.1 5.1	1.6 1.9 1.9	2.2 1.0 1.0	.9 1. .0 1. .0 2. 16.2 22.	7 5 6 1
	N NE E SE S	.1	.8 1.0 1.3 6.1	.R .5 1.7 9.9 16.4	(KNO' 22-33 :	.0 .0 .1	*8* .0 .0 .0	TOTAL	PCT M FREQ 1.8 1 1.5 1 18.5 1 18.5 1	EAN 00 SPD 1.2 1.4 9.4 1.4 5.4 8.6 3.9 22.0	03 2.5 2.8 4.8 14.4 23.4	1.9 2.1 5.1 19.8 28.9	HOUR (09	2.2 1.0 1.0 14.1 39.7	.9 1. .0 1. .0 2. 16.2 22. 34.5 28.	7 3 4 1 7 2
	N NE E SE S	.1	.8 1.0 1.3 6.1 10.4 9.2	.8 .5 1.7 9.9 16.4 10.7	* .7 2.2 2.9 2.6	.0 .0 .1 .2 .7	*8* .0 .0 .0	TOTAL	PCT MIFREQ 1.8 1 1.5 3.8 1 18.5 1 30.6 1 23.7 1	EAN 00 SPD 1.2 1.4 9.4 1.4 5.4 8.0	2.5 2.8 4.8 14.4 23.4	1.9 2.1 5.1 19.8 28.9 21.2	HOUR (09)	2.2 1.0 1.0	.9 1. .0 1. .0 2. 16.2 22.	7 2 7 2 6 1
	N NE E SE S	.1	.8 1.0 1.3 6.1	.R .5 1.7 9.9 16.4	(KNO' 22-33 :	.0 .0 .1 .2 .7 .5 .2	*8* .0 .0 .0	TOTAL	PCT M FREQ 1.8 1 1.5 3 18.5 1 30.6 1 23.7 1 13.3 1 6.3 1	EAN 00 SPD 1.2 1.4 5.4 1.5 5.4 8.6 3.9 22.0 3.4 26.3 3.5 20.4	2.5 2.8 4.8 14.4 23.4 26.6 17.2	1.9 2.1 5.1 19.8 28.9 21.2 13.2	HOUR (09) 1.6 1.9 1.9 16.5 29.9 27.5 14.3 6.3	2.2 1.0 1.0 14.1 39.7 24.7 12.2 5.1	.9 1. .0 1. .0 2. 16.2 22. 34.5 28. 29.1 24. 10.4 12. 8.1 5.	7 5 3 4 1 7 2 7 2 6 1
	NE ESE SW WW VAR	.1 .0 .? .6 .6 .5 .4 .0	4-10 .8 1.0 1.3 6.1 10.4 9.2 4.8	.R .5 1.7 9.9 16.4 10.7	* .7 2.2 2.9 2.6 1.8	.0 .0 .1 .2 .7 .5	48+ .0 .0 .0 .0	TOTAL	PCT M FREQ 1.8 1 1.5 1 3.8 1 18.5 1 30.6 1 23.7 1 13.3 1 6.3 1	ECTION BY SE EAN 00 SPD 1.2 1.4 9.4 1.5 5.4 8.7 22.3,4 26.3 3.5 20.3 4.1 13.4 6.5 5.4	2.5 2.8 4.8 4.8 23.4 26.6 17.2	1.9 2.1 5.1 19.8 28.9 21.2 13.2	HOUR (09	2.2 1.0 1.0 14.1 39.7 24.7 12.2 5.1	.9 1. .0 1. .0 2. 16.2 22. 34.5 28. 29.1 24. 10.4 12. 8.1 5.	7 2 2 2 2 3 4 1 7 2 2 3 6 1 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
	NE SE	.1	.8 1.0 1.3 6.1 10.4 9.2 4.8 2.1	.8 .5 1.7 9.9 16.4 10.7 5.6 2.4	* .7 22-33	.0 .0 .1 .2 .7 .5 .2	48+ .0 .0 .0 .0 .0	TOTAL	PCT MIFREQ 1.8 1 1.5 3.8 1 18.5 1 190.6 1 23.7 1 13.3 1 6.3 1	EAN 00 SPD 1.2 1.4 5.4 1.5 5.4 8.6 3.9 22.0 3.4 26.3 3.5 20.4	03 2.5 2.8 4.8 4.8 23.4 5.2 7.6	1.9 2.1 5.1 19.8 28.9 21.2 13.2 6.8	HOUR (09	2.2 1.0 1.0 14.1 39.7 24.7 12.2 5.1	.9 1. .0 1. .0 2. 16.2 22. 34.5 28. 29.1 24. 10.4 12. 8.1 5.	7 25 7 25 6 14 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6

					TAP	LE 3A							
WMD DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL DBS	PCT FRFQ	MEAN SPD	00	06 09	12 15	18 21	
N NE	.5	.7 .8	.5	.0	.0		1.8	11.2 9.4 15.4	1.7	2.1	1.9	1.5	
SE SW	1.5	2.0 10.9 17.0	1.1 5.6 8.8	.4	.0		18.5	13.9	20.1	18.8	14.5	29.0	
SW NW	2.0	7.2	5.2 3.1	1.0	.1		13.3	13.5 14.1 14.5	22.0 14.4 5.9	13.5	25.6 11.8 5.7	13.2	
CALM TOT DAS	.0	1143	554	.0	.0	2125	.6	.0 .0	.0	.0 .7 583	.0 .2 518	.0 .4	
TOT PCT	15.2	53.8	26.1	4.6	.3	-125	100.0	1210	100.0	100.0	100.0	100.0	

DETORER

PERIOD: (PRIMARY) (DVER-ALL)	1919-196 1854-196						TABLE	4			AREA O	29.95 112.65
			PER	CENTAGE	FREQUE	NCY DF	WIND S	PEED BY	HOUR	(GMT)		
	HOUR	CALM	1-3	4-10	WIND 11-21	SPEFD 22-33	(KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL	
	00603 06609 12615 13621 TOT PCT	.9 .7 .2 .4 12 .6	2.3 2.7 2.7 2.6 55 2.6	37.6 33.4 34.7 36.5 755 35.5	46.4 49.6 47.1 48.9 1020 48.0	11.2 12.2 13.5 9.4 247	2.1	.0000	13.8	100.0 100.0 100.0 100.0	556 583 518 468 2125	

			TA	BLE 5								TA	BLE 6					
P	T FRE	OF TO	TAL C	LOUD A	MOUNT (EIGHTHS)		,	PERCEN	AGE F	REQUEN CURREN	CY DF	CEILIN NH <5/	G HEIG	HTS (F	RECTIO	4/8) N	
ND DIR	0-2	3-4	5-7	8 & 085Ch	TOTAL	MEAN CLOUD COVER	000 149	150	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	DBS
N	. 7	.4	.6			3,4	.0	.0	.0	.0	.1	.0	.0	• 1	.0	.0	1.4	
NE	-	.0	. 7	. ?		4.1	.0	.0	.0	. 1	• 1	.0	.0	• 0	.0	. 1	1.2	
			. 0			3.1	.0	.0	.0	.0	. 3	. 2	. 1	.0	.0	.0	3.8	
E	2.2	1.0	5.7	2.0		3.2	.0	.0	. 1	. 7	2.2	1.8	. 9	. 5	. 1	.0	15.5	
SE	10.0	4.2	13.3	2.5		4.1	.0	.0	. 1	2.0	4.3	4.3	2.1	. 5	. 1	.0	19.2	
5	9.7	7.0				4.6	.0	.0	. 2	1.1	2.8	2.6	2.3	. 2		.0		
SW	4.9	3.6	10.4	2.3			.0	.0	. 2	. 7	2.2	1.7	1.0	. 1	. 1	.0	4.4	
W	1.6	1.7	5.5	1.6		5.1	.0	.0	.0	. 8	1.4	. 2	.5		.0	.0	2.7	
NW	1.1	. 9	3.0	. 7			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	. C	.0	.0	.0		.0			.0	.0	.0	.0	.0	.0	.0	.0	.6	
CALM	.3	.0	.2	.0		2.8	.0	• 0		47	118	94	60	12	3	1	531	87
TOT OBS	272	163	351	85	871	4.1	0	0	.6	5.4	13.5	10.8	6.9	1.4	.3	.1	61.0	100.
TOT PCT	31.2	18.7	40.3	9.4	100.0		• 0	.0	.0	3.4	13.3	10.0	3.7		.,			

						TABLE	7			
				ULATIVE F CEILIN			ULTANEOUS /8) AND V	S DCCURRE	NC E	
						VSBY (N	M)			
	0	EILING	• DR	- DR	- OR	= DR	= DR	- OR	- DR	■ DR
		EFTI	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
	70	>6500	.5	.5	.5	.5	.5	.5	.5	.5
:		>5000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
		>3500	7.9	8.3	3.6	8.7	8.7	8.7	8.7	8.7
		>2000	17.8	18.8	19.3	19.4	19.4	19.4	19.4	19.4
			29.9	32.2	32.8	32.9	32.9	32.9	32.9	32.9
•		>1000	33.7	36.8	38.1	38.2	38.2	38.2	38.2	38.2
•			34.1	37.3	38.7	38.8	38.8	38.8	38.8	38.8
•		>300		37.3	38.7	38.8	38.8	38.8	38.8	38.8
		>150	34.1			38.8	38.8	38.8	38.8	38.8
•	UR	> 0	34.1	37.3	38.7	340	340	340	340	340
		TOTAL	299	327	339	340	340	340	340	340
							DAT EDEA	NU CEIDI	61 2	

					TABL	E 7A					
		p	ERCENT	AGE FR	FC OF	LOW	cro	UDS (E	IGHT	45)	
0	1	2	3	4	5		6	7	8	DBSCD	TOTAL DBS
										.0	963

							OC.	TOBER					
PERIOD: (PRIMARY) 1 (OVER-ALL) 1	919-1969 854-1969						TA	BLE 8				ARE	4 0018 PERTH NW 29.95 112.6
		PE	RCENT					VS DCC				URRENC	E OF
V58Y (NM)		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
<1/2	PCP NO PCP TOT %	.0	.0	.0	.0	.0	.0	.0	.0	:0	.0	:1	
	PCP	•0	• 0	.0	.1	.0	.0	.0	.0	.0	.0	.2	
1/2<1	NO PCP	.0	.0	.0	.0	.2	.2	.1	.0	.0	.0	:4	
1<2	PCP NO PCP TOT %	•0	•0	.0	.0 .1	.0 .1	.0	.0	.0	.0	.0	.1	
2<5	PCP ND PCP	.0	•0	.0	.1	.1	.1	.2	.0	.0	.0	.4	
-	TOT %	• 0	•0	.0	. 1	.2	. 2	.4	.2	.0	.0	1.0	
5<10	PCP NO PCP TOT %	•1	• 1	.9	2.4	7.6 7.9	7.9 8.7	1.0 5.1 6.1	1.6	.0	.1	3.0 26.0 29.0	
10+	PCP NO PCP TOT %	.0 1.3 1.3	.0 1.4 1.4	3.0 3.0	14.5	.3 22.6 22.9	.3 15.2 15.5	.1 6.4 6.5	.2 3.4 3.6	.0	.0	1.0	
	TOT DOS	1.7	1.7	4.0	17.2	31.7	24.6	13.1	5.9	.0	.5	100.0	1245

TABLE 9

VSBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS												DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	. 1	.0	.0			.0		. 1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	. 1	.0	.0	•		.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0		. 1	.0	.0	.0	.0		. 1	
	11-21	.0	.0	.0	.0	. 1	. 1	. 1	.0	.0		. 2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	*	. 1	. 1	. 1	.0	.0	.0	. 3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	. 1	. 1	.0		•	.0		. 2	
	11-21	.0	.0	.0	.0	. 2	. 1	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0			.0		.5	
	TOT %	.0	• 0	.0	. 1	. 3	. 1	. 1	•	.0	.0	. 5	
	0-3	.0	.0	.0	.0	. 1	.0	.0	.0	.0	.0	.1	
2<5	4-10	.0	.0	.0	.0	.0	.0	. 1	.2	.0		.1	
	11-71	.0	• 0	.0	. 1	.0	. 1	.1		.0		. 4	
	22+	.0	.0	.0		.7	. 1	. 1	.0	.0		.4	
	TOT \$,0	• 0	.0	. 1	.2	. 1	. 3	. 2	.0	.0	1.0	
	0-3	.0	.0	.0	.1	.1	.2	. 1	. 1	.0	.1	7	
5<10	4-10	. 2	. 3	. 4	2.1	3.4	3.3	2.0	. 7	.0		12.0	
	11-21	. 2		. 6	1.5	4.7	3.8	2.8	.5	.0		14.1	
	22+	.0	.0	. 2	. 2	. 9	1.5	1.3	. 8	.0		4.8	
	TOT %	.4	.4	1.1	3.8	9.0	8.8	6.2	2.0	.0	.1	32.5	
	0-3	. 1	.0	.0	. 1	.2	. 4	.1	.4	.0	.3	1.7	
10+	4-10	. 7	.6	.7	4.2	7.3	5.9	2.7	1.1	.0		23.3	
	11-21	. 5	.4	1.0	8.2	12.3	6.9	2.8	1.3	.0		33.4	
	22+	.0	• 1	. 8	1.8	2.0	1.3	. 8	. 4	.0		7.2	
	TOT #	1.3	1.0	2.6	14.3	21.7	14.6	6.4	3.2	.0	.3	65.6	
1	OT DAS												1716
T	OT PCT	1.7	1.4	3.7	18.4	32.0	23.7	13.1	5.5	.0	.4	100.0	

OCTOBER

PERIOD: (PRIMARY) 1919-1969 (DVER-ALL) 1854-1969

TABLE 10

AREA 0018 PERTH NW 29.95 112.65

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

	QUR GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
0	0803	.0	.0	. 8	7.2	16.5	12.7	8.5	2.1	.4	.0	48.3	51.7	236
0	6609	.0	.0	.4	2.7	11.6	8.1	5.4	1.6	.4	.4	30.6	69.4	258
1	2815	.0	.0	.5	5.9	10.0	10.5	5.9	.9	.5	.0	34.2	65.8	219
1	8821	.0	.0	.5	4.6	12.4	9.2	6.0	. 5	.0	.0	33.2	66.8	217
	TOT	0	0	5	47	118	94	60	12	.3	.1	36.6	590 63.4	930

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	r (NM)	BY HOUR		CUMULAT					VSBY (NM)), BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.4	. 9	1.1	32.6	65.0	448	60300	.0	.9	8.9	41.8	49.3	225
06609	.2	.7	.2	.9	31.4	66.7	456	06609	.0	.4	4.5	28.1	67.4	242
12815	.2	• 2	.9	1.4	36.1	61.2	438	12815	.0	.5	7.4	29.7	62.9	202
18821	.0	.0	.0	.5	30.6	68.9	392	18821	.0	. 5	5.8	29.0	65.2	207
TUT	.1	6	.5	17	567 32.7	1133	1734	TOT PCT	.0	.6	58	282	536 61.2	876 100.0

TABLE 13

TABLE 1

				17	TREE 1:	,									HUL					
	PERCE	ENT FR	EQUENC	Y OF R	ELATIV	HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTION	BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	\$	SW	W	NW	VAR	CALM
80/84	.0	.0	.0	.1	.0	.0	.0	.0	1	.1	.0	.0	.0	. 1	.0	.0	.0	.0	.0	.0
75/79	.0	.0	.0	. 2	. 1	.0	.2	.0	5	.4	.0	. 1	.0	. 1	.1	.0	.0	• 1	.0	.0
70/74	. 0	.0	.0	. 3	1.5	1.9	. 8	. 2	62	4.8	. 4	. 2	. 4	1.3	1.3	. 2	. 4	. 5	.0	. 2
65/69	.0	.0	. 3	1.9	5.9	9.9	8.4	2.8	381	29.2	. 9	. 9	1.7	6.9	8.3	4.6	3.7	2.0	.0	. 2
50/64	.0		. 5	4.4	15.6		12.1	1.8	708	54.3	.2	. 3	1.5	9.3	17.8	15.4	7.4	2.3	.0	. 2
55/59	.0		.0	. 8	2.5	4.5	3.0		146		.1	.0	. 5	1.7	2.9	4.0	1.5	. 4	.0	.0
50/54	.0		.0	.0	.0	.0	. 1	. 1	2	. 2	.0	.0	.0	.0		• 1		.0	.0	.0
TOTAL	0	0	11	100	333	472	320	69	1305	100.0										
PCT	.0	.0	. 8	7.7	25.5	36.2	24.5	5.3			1.5	1.4	4.2	19.4	30.4	24.3	13.0	5.3	.0	.5

TABLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	t
HOUR (GMT)	мдх	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
£0300	77 80	73 75	70	65	58 59	55	53	63.6	537 562	00803	.0	6.5	26.9	34.0	26.6	2.9	74	338
12615	77 75	70 68	67	63	58 57	57	55 54	62.9	515 473	12615	.0	7.4	18.5	38.2	30.1	5.7	75	296
101	80	73	70	63	5 R	55	53	63.5	2087	tor	0	111	337	474	322	70	74	1314

DCTOBER

PERIOD: (PRIMARY) 1919-1969 (OVER-ALL) 1854-1969

TABLE 17

AREA 0018 PERTH NW . 29.95 112.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	53	57	61	65	69	73 76	77	TOT	W .	WD	
IMP DIF	56	60	04	DH	12	10	90		FDG	FOG	
14/16	.0	.0	.0	.0	.0	. 1	.0	1	.0	.1	
11/13	.0	.0	.0	.0	.0	.0	.1	i	.0	.1	
7/8	.0	.0	.0	. 1	.3	.0	.2	6	.0	.6	
6	.0	.0	.1	. 1	.0	. 4	.0	6	.0	.6	
'5	.0	. 1	• 1	.0	. 2	. 2	.0	6	.0	.6	
4	.0	. 1	. 2	.3	. 3	. 2	.0	11	.0	1.1	
6 5 4 3 2 1 0	.0	. 2	.4	1.1	1.2	. 1	.0	30	. 1	2.8	
2	.0	. 1	. 2	1.6	1.6	. 1	.0	36	. 1	3.4	
1	.0	. 5	1.3	4.4	1.1	.0	.0	74	. 1	7.2	
0	.0	. 2	3.7	5.5	. 8	. 2	.0	107	.0	10.5	
-1	.0	. 3	5.5	5.3	. 1	.0	.0	114	. 2	11.0	
-2	. 1	1.5	8.3	4.1	. 2	. 1	.0	146	. 1	14.2	
-3	.0	3.4	8.3	2.3	.0	.0	.0	142	.0	13.9	
-4	.0	3.8	7.2	1.3	.0	.0	.0	125	. 1	12.2	
-5	. 2	2.8	5.1	. 1	.0	.0	.0	84	.0	8.3	
-6	.3	2.5	2.0	. 2	.0	.0	.0	51	.0	5.0	
-7/-8	. 7	2.9	1.5	.0	.0	.0	.0	52	.0	5.1	
-9/-10	.3	1.1	.6	. 1	.0	.0	.0	21	.0	2.1	
-11/-13	. 2	. 3	.0	.0	.0	.0	.0	5	.0	.5	
TOTAL	18		452		59		3		7	1011	
		203		269		14		1018			
PCT	1.8	19.9	44.4	26.4	5.8	1.4	. 3	100.0	. 7	99.3	

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	. 2	.0	.0	.0	.0	.0	.2	.0	. 2	.0	.0	.0	.0	. 2	
1-2	.0	. 2	.0	.0	.0	• 0	. 2	.0	. 1	. 2	.0	.0	.0	. 3	
3-4	.0	.5	.5	.0	.0	.0	. 9	.0	. 2	.5	.0	.0	.0	. 7	
5-6	.0	. 2	.4	.0	.0	• 0	.6	.0	. 3	. 5	.0	.0	.0	. 8	
7	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0			
TOT PCT	. 2	. 9	. 9	.0	.0	.0	2.0	.0	.8	1.2	.0	.0	.0	.0	
101 101	• •			••	• •	• 0	2.0	•0		1,2		.0	.0	2.2	
				F							SE				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	. 2	.0	.0	.0	.0	. 2	• 1	.1	.0	.0	.0	.0	. 2	
1-2	.0	. 9	.0	.0	.0	.0	. 9	.0	1.9	1.6	.0	.0	.0	3.5	
3-4	.0	.0	.6	.0	.0	.0	. e	.0	2.0	5.5	.0	.0	.0	7.5	
5-6	.0	.0	1.6	.4	.0	.0	2.0	.0	. 2	1.8	.6	.0	.0	2.6	
7	.0	.0	. 8	.9	. 2	• 0	1.9	.0	.0	3.3	.6	.0	.0	3.9	
8-9	.0	.0	.0	. 2	.0	.0	. 2	.0	.0	. 4	. 2	.0	.0	.6	
10-11	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	1.3	.0	.0	1.3	
12	.0	.0	.0	.4	.0	.0	. 4	.0	.0	.0	. 1	.0	.0	. 1	
13-16	.0	.0	.0	.0	. 2	.0	. 2	.0	.0	.0	. 2	. 2	.0	.5	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.0	.0	. 2	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
01-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TUT PCT	.0	1.2	3.1	1.9	.5	.0	6.7	.1	4.3	12.5	3.3	. 2	.0	20.4	

		DCTOBER	
PERIOD: (OVER-ALL)	1963-1969	TABLE 18 (CONT)	AREA 0018 PERTH NW 29.95 112.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				5							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	. 2	. 9	.0	.0	.0	.0	1.1	. 2	1.5	.5	.0	.0	.0	2.2	
1-2	.0	3.6	3.8	.0	.0	.0	7.4	.0		1.2	.0	.0	.0	5.9	
3-4	.0	2.0	5.9	.0	.0	.0	7.9	.0		5.6	.3	.0	.0	7.9	
5-6	.0	. 2	5.1	.6	.0	.0	5.9	.0			.5	.0	.0	3.4	
7	.0	. 2	2.6	1.3	.0	.0	4.1	. (. 5	.0	.0	1.4	
8-9	.0	. 0	1.0	.0	.0	.0	1.0	.0		. 2	.0	.7	.0	.9	
10-11	.0	.0	.0	1.0	.0	.0	1.0	. (. 2	. 3	.0	.0	.5	
12	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.4	.0	.0	. 4	.0		. 2	.4	.0	.0	.6	
17-19	.0	.0	.0	.2	•0	.0	. 2	• 0		.0	.1	. 2	.0	. 3	
20-22	.0	.0	.0	.0	. 5	.0	. 2	.0		.0	.0	.1	.0	. 1	
23-25	.0	.0	.0	.0	• 0	.0	.0	• 0		.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0	.0		.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	
49-50	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
71-96	.0	.0	.0	.0	•0	.0	.0			0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
TUT PCT	.2	7.1	18.4	3.4	.2	.0	29.2	. 7		, 11.5	2.0	1.0	.0	23.2	
				W							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3		11-21	22-33	34~47	48+	PCT	PCT
<1	.0	.4	.0	.0	• 0	• 0	.4	• 2		.0	.0	.0	.0	. 8	
1-2	.2	1.2	.8	.0	.0	.0	2.2	.2		. 1	.0	.0	.0	. 8	
3-4	.0	.9	1.6	.5	.0	.0	2.9				.0	.0	.0	1.8	
7	.0	.0	.6	.6	•0	.0	1.2	.0			.1	.0	.0	.3	
8-9	.0	.0	.0	.2	.2	.0	.5			.2	.2	.0	.0	.5	
10-11	.0	.0	.0	.0	.0	.0	.0			.2	.2	.0	.0	.5	
12	.0	.0	.2	.2	.0	.0	.5			.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0		.0	.2	.0	.0	. 2	
17-19	.0	.0	.0	.0	• 0	.0	.0	. (.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	• 0	.0	.0	• 0		.0	.0	.2	.0	. 2	
23-25	.0	.0	.0	.0	• 0	.0	.0	. (.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	. (.0	.0	.0	. 0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0	.0		.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	.0	.0	.0		.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	.0	.0	. (.0	.0	.0	.0	.0	
TUT PCT	. 2	2.6	4.6	1.9	• 2	.0	9.6	.5	1.3	3.7	. 8	. 2	.0	6.4	99.8

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.2	4.0	.5	.0	.0	.0	5.6	000
1-2	.5	13.1	7.7	.0	.0	.0	21.3	
3-4	.0	7.9	21.7	. 7	.0	.0	30.4	
5-6	.0	1.4	14.7	2.6	.0	.0	18.7	
7	.0	. 2	8.4	4.0	. 2	.0	12.9	
8-9	.0	.0	1.9	.9	. 9	.0	3.7	
10-11	.0	.0	. 5	3.0	.0	.0	3.5	
12	.0	.0	.2	.7	.0	.0	. 9	
13-16	.0	.0	.2	1.2	.5	.0	1.9	
17-19	.0	.0	.0	.5	. 2	.0	. 7	
20-22	.0	.0	.0	.0	.5	.0	. 5	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								428
TOT PET	1.6	26.6	55.8	13.6	2.3	.0	100.0	
		20.0	,,,,					

PERIOD: (DVER-ALL) 1949-1969 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-A0 61-70 71-86

.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

.1 .7 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

1.1 1.7 .6 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0

1.3 1.7 .3 .1 .4 .1 .0 .0 .0 .0 .0 .0

.9 1.1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0

.3 .7 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0

.3 .7 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0

.3 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

29 43 9 7 3 2 0 0 0 0 0 0

4.1 6.1 1.3 1.0 .4 .3 .0 .0 .0 .0 TOTAL MEAN HGT 141 4 155 6 198 8 98 10 42 9 19 11 47 5 700 7 100.0 7 87+ PERIOD (SFC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 3-4 7.0 4.9 1.9 .6 .4 .0 1.0 110 5-6
4.3
7.4
6.4
1.9
1.3
.1
1.7
162
23.1 8-9 10-11 .7 .0 .0 .0 .0 .0 .4 .8 1-2 4.7 .7 .1 .1 .0 .0 .3 42 1.7 4.0 7.7 2.3 .6 .3 1.7 128 18.3 .7 1.4 3.1 2.7 .9 .9 .4 71 2.7 4.9 2.4 .6 .3 .6 .86 .1 1.1 1.3 .9 .3 .3 29

N	٦v	F	м	B	F	R	
144	•	-		_	٠.		

PERIOD:	(PRIMARY)	1921-1972
	(OVER-ALL)	1857-1972

TABLE 1

AREA 0018 PERTH NW 29.95 112.6E

PERCENT	FREQUENCY	DF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

							-	THE TAXABLE PARTY.							
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
MND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE		
N NE	.0	.0	.0	.0	.0	.0	.0	.0	6.6	.0	3.3	.0	.0		90.2
NE	13.2	.0	.0	.0	.0	.0	.0	13.2	13.2	2.6	.0	.0	.0	.0	71.1
E	15.8	.0	.0	.0	.0	.0	.0	16.8	2.2	8.8	.0	.0	2.9	.0	69.3
S E S	1.1	1.3	.0	.0	.0	.0	.0	2.4	.0	2.0	1.3	.0	. 3	.0	94.7
S	. 4	1.1	.5	.0	.0	.0	.0	1.9	. 8	1.2	. 8	.0	. 8	.0	94.6
SW	.9	3.5	.4	.0	.0	.0	.0	4.9	.7	.6	. 5	.0	,5	.0	93.1
W	. 9	10.1	.0	.0	.0	.0	.0	11.0	1.5	2.6	1.5	.0	.0	.0	84.1
NW	2.3	2.3	.0	.0	.0	.0	.0	4.7	2.3	.0	3.5	.0	.0		89.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT	1.4	2.6	.3	•0	•0	.0	.0	4.3	1.0	1.6	1.0	.0	.6	.0	91.9

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA		
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRA BLWG S BLWG S	DUST	ND SIG WEA
00603 06609 12615 18621	1.7 1.7 2.1	2.6 1.3 3.0 3.2	.0 .4 .0	.0	•0	.0	.0	2.9 3.5 4.6 6.0	2.2 1.3 .3	.0 .4 2.0 3.5	2.2 1.7	.0	.7		.0	93.8 92.2 91.7 90.1
TOT PCT	1.5	2.6	.3	.0	•0	.0	.0	4.3	1.0	1.6	1.0	.0	.6		.0	91.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	DTS								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
. N	. 1	.2	.6	. 1	.0	.0		1.0	13.7	1.5	1.1	1.4	. 9	. 3	.0	. 0	1.8
NE	. 1	. 4	.2	. 1	.0	.0		. 8	11.2	1.9	1.1	. 8	.0	.1	.0	1.2	. 3
E	. 1	1.4	1.4	. 1	. 1	.0		3.1	12.3	4.4	8.6	2.9	. 6	. 4	5.2	3.9	3.0
SE	. 1	4.5	10.9	3.9	.4	.0		19.7	16.2	23.5	24.7	22.2	16.0	15.2	15.5	19.2	20.9
5	. 6	10.4	20.2	7.1	. 2	- 0		38.6	15.2	36.2	36.6	37.0	42.5	43.8	38.3	37.3	35.7
SW	. 5	9.7	9.9	1.9				22.2	12.5	19.6	17.2	22.2	22.0	24.2	21.9	24.6	22.8
W	. 3	4.5	5.0	. 8				10.6	12.6	9.2	7.0	9.3	13.3	12.0	14.3	10.1	11.5
NW	- 1		1.7	.2				3.6	12.5			6.0	4.8	3.5			
VAR	.0	.0	.0					.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0
CALM	. 4							. 4	.0		1.1	. 3		. 5		. 0	. 5
		609	929	267	16	0	1864	•	14.2	372	93		166	361	105	271	169
TOT PCT	2.3	32.7				.0		100.0			100.0						
	N NE E SE S N W NW VAR CALM TOT OBS	NE .1 E .1 SE .1 S .5 W .3 NW .1 VAR .0 CALM .0	NO DIR 0-3 4-10 NE 1 .4 E 1 1.4 SE .1 1.4 SS .5 .6 10.4 SW .5 9.7 W .1 1.5 VAR .0 .0 CALM TOT OBS 43 609	NO DIR 0-3 4-10 11-21 NE 11 .4 .2 E 11 1.4 1.4 SE .1 4.5 10.9 S .6 10.4 20.2 SW .5 9.7 9.9 W .3 4.5 5.0 VAR .0 .0 .0 .0 CALM TOT OBS 43 609 929	NO DIR 0-3 4-10 11-21 22-33 N	N	WND DIR	WNO DIR 0-3 4-10 11-21 22-33 34-47	WNO DIR	WND DIR	WND DIR 0-3 4-10 11-21 22-33 34-47						

		WIND	SPEED	(KNOTS)						Hous	(GMT)
WND DIR	0-6	7-16	17-27	28-40	41+	TUTAL	PCT	MEAN	0.0	06	12	1.8
						085	FREQ	SPD	03	09	15	21
N	. 2	.3	.5		.0		1.0	13.7	1.5	1.2	.2	1.3
NE	.2	.4	. 1	. 1	.0		. 8	11.2	1.7	.5	.1	. 9
E	.6	1.7	.7	.1	.0		3.1	12.3	5.2	2.1	1.5	3.5
SE	. 9	9.4	8.3	1.1	. 1		19.7	16.2	23.7	20.1	15.3	19.8
5	3.6	18.2	14.8	2.1			38.6	15.2	36.3	38.8	42.5	36.6
SW	3.2	13.7	4.4	.9	.0		22.2	12.5	19.1	22.1	23.7	23.9
W	1.6	6.1	2.5	. 4	.0		10.6	12.6	8.8	10.6	12.5	10.7
NW	.4	2.2	. 9		.0		3.6	12.5	3.1	4.3	3.8	3.1
VAR	.0	.0	.0	.0	.0		.0	• 0	.0	.0	.0	.0
CALM	.4						. 4	.0	.6	. 2	. 4	. 2
TOT OBS	206	971	599	86	2	1864		14.2	465	493	466	440
TOT PCT	11.1	52.1	32.1	4.6	. 1		100.0			100.0	100.0	100.0

PERIOD: (PRIMARY) 1921-1972 (DVER-ALL) 1857-1972

TABLE 4

AREA 0018 PERTH NW 29.95 112.65

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEFD 22-33	34-47	48+	MEAN	PCT FREQ	DBS
00603	.6	2.4	34.4	49.9	12.3	.4	.0	13.7	100.0	465
06609	. 2	1.8	28.€	54.2	13.8	1.2	.0	14.6	100.0	493
12615	. 4	1.5	33.7	46.6	17.4	.4	.0	14.5	100.0	466
18821	. 2	2.0	34.1	48.4	13.9	1.4	.0	14.2	100.0	440
TOT	7	36	609	929	267	16	0	14.2		1864
PCT	. 4	1.9	32.7	49.B	14.3	. 9	.0		100.0	

TABLE 5

P	CT FRE			LOUD A		EIGHTHS)							CEILIN					
WND DIR	0-2	3-4	5-7	3 8	TOTAL	MEAN CLOUD COVER	000 149	150	300 599	600	1000	2000	3500 4999	5000			NH <5/8	
				DBSCD	UB3	CUVER	149	219			4777				1777			
N	. 4	. 4	. 4	.0		4.1	.0	• 0	.0	.0	. 1	.0	.0	.0	• 1	.0	. 9	
NE	. 1	. 2	. 5			5.6	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	. 4	
E	1.3	. 2	. 4	1.0		4.1	.0	.0	.0	. 4	. 7	. 2	.0	.0	.0	.0	1.7	
SE	8.6	3.5	7.1	2.3		3.7	.0	.0	.0	. 5	3.0	2.5	1.1	. 3	. 3	. 1	13.7	
S	15.9	6.4	13.7	3.5		3.8	.0	.0	. 1	1.6	3.7	4.8	2.7	. 5	. 3	. 4	25.3	
SW	5.0	5.2	8.5	3.7		4.7	.0	.0	.0	. 8	2.7	3.6	1.7	. 5	.0	. 1	12.9	
ů.	1.5	2.2	3.5	1.4		5.0	.0	.0	.0	. 1	1.5	1.6	.6	.0	.0	.0	4.8	
NW	.9	. 6	. 8	. 8		4.7	.0	.0	.0	. 1	. 7	. 4	.0	. 0	.0	.0	1.8	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	. 1	,		6,5	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	. 3	
TUT 089	253	140	262	96	751	4.1	.0	0	1	27	96	98	45	10	5	5	464	751
TOT PCT	33.7	18.5	34.9	12.8	100.0		•0	•0	•1	3.6	12.8	13.0	6.0	1.3	. 7	.7	61.8	100.0

TABLE 7

CUMULATIVE	PCT	FRFO	OF	SIMULTANEQUE	DCCURRENCE
				A SA/R) AND V	

				VSBY (NM	1)			
CEILIN		• UR >5	= DR >2	= DR >1	= OR >1/2	= OR >1/4	- OR >50YD	■ DR >0
DR >650	0 1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3
DR >500	0 2.4	2.6	2.6	2.6	2.6	2.6	2.6	2.6
DR >350	0 7.5	8.6	8.6	8.6	8.6	8.6	8.6	8.6
DR >200	0 19.8	21.6	21.6	21.6	21.6	21.6	21.6	21.6
OR >100	0 31.1	34.3	34.3	34.4	34.4	34.4	34.4	34.4
OR >600		37.4	37.8	37.9	57.9	37.9	37.9	37.9
OR >300	33.5	37.5	37.9	38.1	38.1	38.1	38.1	38.1
DR >150	33.5	37.5	37.9	38.1	38.1	38.1	38.1	38.1
DR > 0	33.5	37.5	37.9	38.1	38.1	38.1	38.1	38.1
TOTA	L 254	285	288	289	289	289	289	289

TOTAL NUMBER OF OBS: 759 PCT FREO NH <5/81 61.9

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD OBS 13.6 11.7 14.8 11.7 9.6 8.3 9.9 10.6 10.0 .0 832

							NOVE	MBER							
PRIMARY) 1: DVER-ALL) 1:	921-1972 857-1972						TAR	LE 8				ARE	4 0018	PERTH 9.95	
		PE	RCENT	PREC	OF WIN	D DIRE	CTION V	ING V	URRENCE ALUES O	DR N	IBILIT	URRENC Y	E DF		
VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL		
	PCP	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0			
<1/2	NO PCP	• 0	.0	.0	.0	. 1	.0	.0	.0	.0	.0	. 1			
	TOT \$	• 0	• 0	.0	.0	. 1	.0	.0	.0	.0	.0	. 1			
	PCP	• 0	• 0	.0	. 1	.0	.0	.0	.0	.0	.0	. 1			
1/2<1	NO PCP	*	.0	.0		. 2	. 1	. 1	. 1	.0	.0	.6			
	TOT %	*	.0	.0	. 1	. ?	.1	. 1	. 1	.0	.0	.7			
	PCP	• 0	.0	.0		. 1	.0	.0	.0	.0	.0	.1			
1<2	NO PCP	.0	.0	.0	*	. 1	.0	. 1	.0	.0	.0	. 3			
	TOT %	•0	.0	.0	. 1	.2	.0	• 1	.0	.0	.0	.4			
	PCP	.0	.0	.2	.0	. 1		.0	.0	.0	.0	.3			
2<5	NO PCP	• 1	.0	.0	.0	. 1	. 1	• 1	*	.0	.0	. 4			
	TOT %	• 1	• 0	. 2	.0	. 1	. 2	. 1	*	.0	.0	.6			
	PCP	• 0	*	.2	.2	.4	.6	. 9	. 2	.0	.0	2.5			
5<10	NO PCP	.4	. 3	.6	3.2	9.5	5.0	3.1	1.5	.0	.3	24.0			
	TOT %	.4	• 3	. 8	3.5	9.8	5.6	4.0	1.7	.0	.3	26.5			
	PCP	• 0	.1	. 2	.1	. ?	.5	. 2	.0	.0	.0	1.3			
10+	NO PCP	. 9	. 5	2.0	14.5	28.5	15.8	6.0	2.1	.0	. 1	70.4			
	TOT %	. 9	• 6	2.2	14.6	28.7	16.2	6.2	2.1	.0	.1	71.7			

TOT OBS TOT PCT 1.4 .9 3.2 18.3 39.2 22.1 10.5 4.0 .0 .4 100.0

TABLE 9

VSBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	003
<1/2	4-10	.0	.0	.0	.0	.0	.1	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.1	.0	.0	.0	.0		. 1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	. 1	.1	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	. 1	.0	.0	. 1	.0	.0		.1	
	11-21		.0	.0	. 1	. 2	.1	. 2	. 1	.0		.7	
	22+	.0	.0	.0	.0	. 1	.0	.0	.0	.0		. 1	
	TOT %	*	• 0	.0	• 1	.3	.1	.3	. 1	.0	.0	.9	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	• 1	.0	*	*	. 1	.0	.0	.0		. 2	
	11-21	.0	.0	.0	.0	.3	. 1	. 1	.0	.0		. 5	
	22+	.0	.0	.0	*	. 2	.0	.0	.0	.0		.3	
	TOT %	.0	.1	.0	. 1	.5	. 2	. 1	.0	.0	.0	1.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	*	.0	. 1	.0		*			.0		. 3	
	11-21	.0	.0	. 1	.0	.0	.0	.0	.0	.0		. 1	
	22+	.0	.0	. 1	*	. 1	. 1	.0	.0	.0		. 3	
	TOT %		•0	.2		. 1	.1			.0	.0	.6	
	0-3	.0			.0	.3	.1		.0	.0	.2	.7	
5<10	4-10	. 1	.2	. 3	1.2	2.8	2.6	1.7	.6	.0		9.4	
	11-21	. 3	. 1	.5	3.0	7.4	3.0	1.7	. 9	.0		16.8	
	22+	.0	. 1	.0	. 8	1.4	.7	.3	. 2	.0		3.4	
	TOT %	.4	• 4	. 8	4.9	11.8	6.4	3.8	1.6	.0	. 2	30.4	
	0-3	.1	-1	.1	.1	. 2	7:5	.1	.1	.0	.1	1.1	
10+	4-10	. 1	02	1.0	3.0	7.7	7.5	2.5	1.0	.0		22.9	
	11-21	.3	. 1	. 7	7.5	12.9	6.7	2.6	. 5	.0		31.4	
	22+	. 1	• 1	. 1	3.3	6.3	1.2	.3	. 1	.0		11.6	
	TOT %	.6	.4	2.0	14.0	27.0	15.7	5.5	1.6	.0	.1	67.0	
	TOT DAS					. POS NEI	1900 100						1520
	TOT PCT	1.1	. 9	3.0	19.1	39.9	22.6	9.8	3.4	.0	.3	100.0	

PERIOD: (PRIMARY) 1921-1972 (OVER-ALL) 1857-1972

TABLE 10

AREA 0018 PERTH NW 29.95 112.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8	TOTAL	
(GMT)	149	299	599	999	1999	3499	4999	6499	7999			ANY HGT	DBS	
00803	•0	.0	• 5	2.9	12.4	17.2	6.2	1.0	1.0	. 5	41.6	58.4	209	
90340	.0	.0	.0	3.4	7.3	11.7	4.9	2.0	1.5	. 5	31.2	68.8	205	
12815	.0	.0	.0	3.7	12.8	12.2	5.3	1.1	.0	1.1	36.2	63.8	188	
18621	.0	.0	•0	3.6	16.2	8.1	6.1	1.0	.0	. 5	35.5	64.5	197	
101	0	0	1	27	97	12.4	5.6	10	.6	.6	289	510	799	

Т	٨	H	1

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TDTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	. 3	. 5	.5	. 8	30.2	67.8	391	00803	.0	. 5	3.6	40.8	55.6	196
90330	.0	.8	1 • 1	.5	28.6	69.0	374	06809	.0	.0	4.6	28.9	66.5	194
12615	.3	2.0	1.5	. 8	33.0	62.4	391	12815	.0	.5	4.9	33.2	62.0	184
18621	.0	.5	.8	. 5	29.3	68.8	375	18821	.0	.0	4.3	34.1	61.6	185
TOT PCT	?	15 1.0	15	10	464	1025	1531	TOT PCT	.0	.3	33 4.3	260 34.3	466 61.4	759 100.0

•	4	8	L	F	1	3

TABLE 1

				14	are to	,														
	PERCE	NT FRE	DUENCY	OF RE	LATIVE	HUMID	ITY BY	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DIE	RECTION	N BY TE	ЕМР	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
75/79	.0	.0	. 1	.3	.1	.5	. 1	.2	14	1.2	.0	. 1	.1	. 2	.5	. 1	• 1	.1	.0	.0
70/74	.0	.0	. 1	1.3	2.0	4.3	2.2	1.0	122	10.8	.0	. 4	1.1	2.1	4.8	1.3	. 9			
65/69	.0	.0	- 1	2.3	7.3	15.6	15.6	7.6	546	48.5	. 8	. 4	1.1	9.4	18.7	11.1	4.7	2.2	.0	. 2
60/64	.0	.0	1	1.8	12.4	13.4	7.2	2.3	419	37.2	.1		.4	7.7	14.8	9.8	3.7	.6	.0	. 2
55/59	.0	.0	.0	.2	.7	. 8	. 4	. 1	24	2.1	.0	.0	. 1	.3	1.1	. 5	. 2	.0	.0	.0
TOTAL	0	0	4	66	253	389	287	126	1125	100.0								2 2	^	
PCT	.0	.0	. 4	5.9	22.5	34.6	25.5	11.2			. 8	. 8	2.8	19.7	39.9	22.8	9.6	3.3	.0	.4

TARLE 15

TABLE 16 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

	MEANS,	XTREME	SAND	PERCEN	TILES	OF TEM	(DE	GF) B	Y HOUR
HOUR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)	80	76	72	65	60	58	57	65.8	442
12615	79 81	76 74	73 71	67	61	58	57	65.3	460
18621	72	71	59	64	59	57 5H	55	64.0	1803

HOUR	0-29	30-59	60-69	70-79	80-89	90-150	MEAN	TOTAL
(GMT)	•		24.2	36.5	23.9	9.2	75	293
90300	.0	14.3	27.1	33.7	18.3	6.6	72	273
12615	.0	2.5	18.7	36.0	29.0	13.8	78	283
18821	.0	2.5	19.6	31.2	30.9	15.8	78	285
TOT	0	71	254	390	290	129	76	1134

PERIOD: (PRIMARY) 1921-1972 (DVEK-ALL) 1857-1972

TABLE 17

AREA 0018 PERTH NW 29.95 112.6E

PCT	FREQ	OF	AIR	TEMPERATURE (DE	G F) AND	THE	DCCURRENCE D	P F	FOG	(WITHOUT	PRECIPITATION?	
				VE ATR-CE		FMDED	ATLID	E DIFFERENCE	100	C C	1		

AIR-SEA	53	57	61	65	69	73	77	81	TOT	W	WD
TMP DIF	56	50	64	68	72	76	80	84		FOG	FOG
9/10	.0	.0	.0	.0	.0	.1	.3	.1	5	.0	.6
7/8	.0	.0	.0	.0	.0	. 1	. 2	.0	5	.0	. 3
6	.0	.0	. 1	.0	. 1	. 1	.0	.0	3	.0	. 3
5	.0	.0	.0	.0	.6	.3	. 1	.0	3 9	.0	1.0
4	.0	.0	.0	. 2	1.1	. 3	.0	.0	15	. 1	1.6
6 5 4 3 2 1	.0	.0	. 1	. 9	1.8	.3	.0	.0	28	. 1	3.1
2	.0	.0	. 2	2.2	3.0	.0	.0	.0	47	.0	5.4
1	.0	.0	. 8	3.3	1.6	.0	.0	.0	50	.0	5.7
0	.0	.1	3.0	7.6	2.3	.0	.0	.0	114	. 1	12.9
-1 -2	.0	.0	4.3	8.4	2.2	.0	.0	.0	131	. 1	14.8
-2	.0	. 2	6.7	8.3	. 3	.0	.0	.0	137	.0	15.6
-3	.0	. 3	8.0	4.2	. 2	.0	.0	.0	112	.0	12.8
-4	.0	1.1	6.3	3.2	.0	.0	.0	.0	93	.0	10.6
-5	. 1	1.0	4.3	1.8	.0	.0	.0	.0	64	.0	7.3
	.0	1.1		.6				.0	32	.0	3.6
	.0	1.4	1.6	. 1	.0		.0	.0	27	.0	3.1
	.0	. 7	.0	.0				.0	6	.0	. 7
	.0	. 1	.0	. C	.0	.0		.0	1	.0	.1
TOTAL	1		328		116		6			4	873
		54		359		12		1	877		
PCT	. 1	6.2	37.4	40.5	13.2	1.4	. 7	. 1	100.0	. 5	99.5
-6 -7/-8 -9/-10 -11/-13 TOTAL PCT	.0	1.1 1.4 .7 .1	1.9	.6 .1 .0	.0 .0 .0	.0 .0 .0	.0	.0	1	.0	3

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.3
1-2	. 3	.0	.0	.0	.0	.0	. 3	.0	. 1	. 3	.0	.0	.0	. 4
3-4	.0	.0	.3	.0	• 0	.0	.3	.0	. 3	.0	.3	. 0	.0	.5
5-6	.0	.0	. 3	.0	.0	.0	. 3	.0	.0	.0	.0	. 0	.0	.0
7	.0	. 3	.0	.0	.0	.0	. 3	.0	. 1	.0	. 3	.0	.0	. 3
8-9	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.3	.0	.0	. 3	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0
40-22	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	. C	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	. 3	. 3	. 5	. 3	.0	.0	1.3	.3	. 4	. 3	. 5	.0	.0	1.5
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
<1	. 4	.0	.0	.0	.0	.0	. 4	.0	. 3	.0	.0	.0	.0	. 3
1-2	.0	. 4	. 5	.0	.0	.0	. 9	.0	1.2	. 8	.0	.0	.0	2.0
3-4	.0	. 5	1.2	. 2	.0	.0	1.9	.0	1.6	2.3	1.0	.0	.0	4.9
5-6	.0	.0	.7	.0	• 0	• 0	.7	.0	. 3	3.2	. 9	. 3	.0	4.6
7	.0	. 2	.0	.0	.0	• 0	. 2	.0	.0	2.2	. 9	. 3	.0	3.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	2.2	.0	.0	2.9
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 4	. 3	.0	.6
12	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	. 3	.0	.0	. 3
17-19	.0	.0	.0	.0	. 3	.0	. 3	.0	.0	.0	. 3	.0	.0	. 3
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	• 0	.0	.0	• 0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	• 0	.0	.0	• 0	.0	.0	.0	. 0	.0	.0
TOT PCT	. 4	1.1	2.4	. 2	.3	.0	4.4	.0	3.3	9.2	5.9	. 8	.0	19.2

60	-	W	-	n	0

PERIOD: (OVER-ALL) 1953-1972

TAPLE 18 (CONT)

AREA 0018 PERTH NW 29.95 112.6E

PCT	FREO C	E WIND	SPEED	(KTS)	AND	DIRECTION	VERSUS	SFA	HEIGHTS	(FT)

				s							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.4	.0	.0	.0	.0	. 4	.0	. 8	.0	.0	.0	.0	. 8	
1-2	.0	3.0	1.6	.0	• 0	.0	4.6	.0	6.1	1.1	.0	.0	.0	7.2	
3-4	.0	2.3	6.2	1.6	.0	.0	10.1	.0	2.8	4,4	. 1	.0	.0	7.2	
5-6	.0	. 9	R. 4	1.9	.0	.0	11.2	.0	. 4	1.5	. 5	.0	.0	2.5	
7	.0	.0	2.2	2.2	.0	.0	4.3	.0	. 3	.3	. 5	.0	.0	1.1	
8-9	.0	.0	2.2	1.3	. 3	.0	3.7	.0	.0	.0	. 3	.0	.0	. 3	
10-11	.0	.0	.0	1.6	.0	.0	1.6	.0	.0	.0	. 1	.0	.0	. 1	
12	.0	.0	.0	.3	.3	.0	.5	.0	.0	.0	. 1	.0	.0	. 1	
13-16	.0	.0	.0	.6	.0	• 0	.6	.0	.5	.0	.1	.0	.0	.6	
17-19	.0	.0	.0	. 5	. 3	• 0	. 8	.0	.0	.0	.3	.0	.0	.3	
50-55	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	• 0	. C	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	•0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	• 0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0	.0		.0	.0			.0	.0	.0	.0	.0	
B7+	.0	6.7	20.4	10.0	.0	• 0	37.8	.0	10.9	7.4	1.8	.0	.0	20.1	
				W							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
1-2	.3	2.7	.0	.0	.0	• 0	.5	.0	.7	.6	.0	.0	.0	1.3	
3-4	.0	1.9	1.8	.0	•0	•0	4.0	.0	1.0	.1	.0	.0	.0	1.1	
5-6	.0	1.1	.9	.5	.0	•0	2.5	.0	.3	.8	.3	.0	.0	1.3	
7	.0	.0	.7	.0	.0	.0	.7	.0	.0	.3	.0	.0	.0	.3	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.5	6.0	3.9	.9	.0	.0	11.3	.0	2.0	1.6	.3	.0	.0	3.9	99.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT 085	
<1	1.5	2.3	.0	.0	.0	.0	3.8	003	
1-2	.3	14.1	5.3	.0	.0	.0	19.6		
3-4	. 5	10.3	16.1	3.0	.0	.0	30.0		
5-6	.0	3.0	15.6	4.0	.3	.0	22.9		
7	.0	. 8	5.5	3.8	, 3	.0	10,3		
8-9	.0	.0	2.8	3.8	.3	.0	6.8		
10-11	.0	.0	.0	2.5	.3	.0	2.8		
12	.0	.0	.0	. 5	. 3	.0	. 8		
13-16	.0	.5	.0	1.0	.0	.0	1.5		
17-19	.0	.0	.0	1.0	.5	.0	1.5		
20-22	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		
87+			.0	.0	.0	.0	,0		
017	.0	.0	.0	.0	••		,0	397	
TOT PCT	2 2	21 0		19.6	1.8	.0	100.0	341	
TOT PCT	2.3	31.0	45.3	19.0	1.0		100.0		

PERIOD: (DVER-ALL) 1949-1972

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.6	3.2	6.1	3.5	1.6	. 2	. 2	.0	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	103	4
6-7	.0	. 2	5.3	7.7	7.1	3.5	2.1	.2	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	163	6
8-9	.0	.0	.0	5.2	6.3	6.3	1.8	1.6	1.4	.5	. 2	. 2	.0	.0	.0	.0	.0	.0	.0	145	R
10-11	.0	.0	. 3	2.4	3.9	3.9	1.8	2.3	1.6	.6	. 2	.0	.0	.0	.0	.0	.0	.0	.0	105	9
12-13	.0	.0	.0	. 2	. 2	1.9	1.3	. 3	1.1	.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	34	11
>13	.0	.0	.0	.0	.0	.5	.2	1.0	. 5	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	11
INDET	.3	.5	2.3	1.8	. 8	1.4	1.3	. 2	. 5	.0	. 2	.0	.0	.0	.0	.0	.0	.0	.0	57	5
TOTAL	12	24	87	129	123	110	53	34	34	8	5	2	0	0	0	0	0	0	0	521	7
PCT	1.9	3.9	14.0	20.8	19.8	17.7	8.5	5.5	5.5	1.3	. 8	. 3	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1922-1972 (DVER-ALL) 1857-1972

TABLE 1

AREA 0018 PERTH NW 30.15 112.7E

PERCENT FREQUENCY OF WEATHER DCCURRENCE BY WIND DIRECTION

			р	RECIPI	TATION	TYPE					DTHER	WEATHER	PHEND	MENA	
WNU DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE		
N NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	.0	.0	27.3	3.6	63.6
E SE	.0	.0	.0	.0	.0	.0	.0	1.2	.0	3.5	.0	.0	3.5		90.4
SW	.1	2.3	1.2	.0	•0	.0	.0	3.6	1.6	2.7	2.3	.2	3.3	.0	95.3
NW W	1.9	3.2	.0	.0	.0	.0	.0	1.9	11.3	1.9	1.1	.0	9.4	.0	90.3 75.5
VAR CALM	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT TOT OBS:	1272	1.0	.3	•0	•0	•0	.0	1.6	1.1	1.7	.9	•1	2.1	.2	92.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNDW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00803 06809 12815 18821	.3	1.6 1.1 .8 1.0	.0 .0 .3	.0	.0	.0	.0	1.9 1.1 1.1 2.6	.9 1.8 .3 1.6	.6 .4 2.9 2.6	.9 .7 1.3	.0 .0 .0	1.6 3.6 2.7	:4	93.8 92.0 91.5 92.0
TOT PCT	1282	1.1	.3	.0	•0	.0	.0	1.6	1.1	1.7	.9	.1	2.1	.2	92.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED IKN	DTS)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FREQ	SPD	00	03	06	09	12	15	18	21	
N	.0	.3	.1		.0	.0		.4	9.6	.9	.0	.0	.4	.1	.5	.4	.7	
NE	. 2	. 3	. 2	.0	.0	.0		.6	7.4	1.0	2.9	. 2	. 8	.0	.0	.0	2.1	
Ε		. 9	.9	. 2	.0	.0		2.1	12.5	3.9	5.3	1.7	2.1	. 9	.5	. 8	2.7	
SE	.1	4.1	13.0	4.1		.0		21.3	16.0	25.0	16.8	26.4	18.1	18.9	15.5	20.6	20.0	
S	. 1	10.0	27.6	8.5	. 2	.0		46.4	15.9	43.6	35.6	46.8	43.1	49.7	52.5	49.5	43.8	
SW	. 1	8.0	9.9	2.0	. 2	.0		20.2	13.4	18.0	24.5	15.8	25.8	22.5	23.6	18.7	21.4	
W		2.8	3.3	.1	.0	.0		6.3	11.6	4.5	7.9	8.3	5.3	6.6	3.7	6.9	5.8	
NW.	. 1	. 9	1.1			.0		2.2	10.9	2.7	5.0	. 8	3.3	1.2	2.8	2.3	2.7	
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5	
CALM	. 4							.4	.0	.3	1.9	.0	.0	.0	. 9	.7	. 7	
TOT UBS	21	483	995	267	8	0	1774		14.8	338	104	308	120	381	108	269	145	
TOT PCT	1.2	27.2	56.1	15.1	. 5	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00 0 3	HDUR 06 09	12 15	18	
N NE	.2	.2	.0	.0	.0		:4	9.6	1:4	.1	.2	.5	
E SE	.4	1.2	.5	.0	.0		2.1	12.5	4.2	1.8	. 8	1.5	
S E	1.4	9.7	20.0	1.0	.0		21.3	16.0	23.1	24.1	18.1	47.5	
SW	2.0	12.4	5.1	.7			20.2	13.4	19.6	18.6	22.8	19.6	
NW W	.9	1.4	1.0	:	.0		2.2	10.9	3.3	7.7	1.6	2.5	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
TOT DBS	139	929	643	62	1	1774	.4	14.8	442	428	489	415	
TOT PCT	7.8	52.4	36.2	3.5	. 1		100.0		100.0	100.0	100.0		

DECEMBER

PERIOD: (PRIMARY) 1922-1972 (UVER-ALL) 1857-1972

TABLE 4

AREA 0018 PERTH NW 30.15 112.7E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED 22-33	(KNOTS) 34-47	48+	MEAN	PCT	TOTAL
00803	.7	2.3	28.5	56.8	11.5	2	.0	14.1	100.0	442
90300	.0	.2	24.3	59.1	15.9	.5	.0		100.0	428
12615	. 2	. 6	27.2	52.6	18.4	1.0	.0		100.0	489
18621	.7	.0	28.9	56.4	14.0	.0	.0	14.7	100.0	415
TOT	7	14	483	995	267	8	0	14.8		1774
PCT	.4	. 8	27.2	56.1	15.1	.5	.0		100.0	

TABLE 5

TABLE 6

P	CT FRE			CLOUD A		(EIGHTHS)			,			REQUEN		CEILIN					
MND DIO	0-2	3-4	5-7	8 & DBSCD	TOTAL	MEAN CLOUD COVER	00	9	150	300 599	600 999	1000	2000 349 9	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	.0	.0	.?	.1		7.0		. 0	.0	.0	. 1	.1	.1	.0	.0	.0	.0	.0	
NE	*	. 1	.0			3.5		.0	.0	.0		.0	.0	.0	.0	.0	.0	. 1	
E	1.5	. 1	.3	. 1		2.0		. 0	.0	.0	. 1	.0	.0	. 1	• 1	.0	.0	1.7	
SE	11.4	3.9	5.5	2.1		3.1		.0	.0	. 3	. 2	1.9	1.2	1.3	. 4	.1	.0	17.4	
S	17.5	9.8	17.3	4.4		3.8		. 0	.0	.6	1.0	6.7	4.9	2.8	• 1	.0	.0	32.8	
SW	5.0	4.1	7.4	1.3		4.2		. 0	.0		.6	1.7	2.1	1.9	. 3	. 1	.0	11.0	
W	1.4	1.7	2.9	.6		4.6		. 0	.0	. 1	. 5	. 7	. 3	. 5	• 1	.0	.0	4.3	
NW	. 1	. 3	. 5	. 1		5.3		.0	.0	.0	. 1	. 3		.0	.0	.0	.0	. 6	
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 2	.1	.0	.1		3.5		.0	.0	.0	. 1	.0	.0	.0	.0	.0	.0	. 3	
TUT DBS	329	178	304	78	888	3.7		0	0	9	25	101	77	58	9	2	0	606	888
TUT PCT	37.0	20.0	34.2	8.4	100.0			.0	.0	1.0	2.8	11.4	8.7	6.5	1.0	. 2	.0	68.2	100.0

TABLE 7

CUMULATIVE	PCT FRE	O DF	SIMUL	TANEOUS	DCCURRENC	E
					SRY INM	

				VSBY (NM	1			
CFILING	 OR 	• DR	· DR	= OR	= DR	■ DR	= OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR >6500	.2	. 2	.2	.2	. 2	.2	.2	.2
DR >5000	1.2	1.2	1.2	1.2	1,2	1.2	1.2	1.2
DR >3500	7.5	7.9	7.9	7.9	7.9	7.9	7.9	7.9
OR >2000	14.9	16.5	16.5	16.5	16.5	16.5	16.5	16.5
DR >1000	24.4	27.7	27.8	27.8	27.8	27.8	27.8	27.8
DR >600	26.9	30.4	30.6	30.6	30.6	30.6	30.6	30.6
DR >300	27.8	31.4	31.6	31.6	31.6	31.6	31.6	31.6
DR >150	27.8	31.4	31.6	31.6	31.6	31.6	31.6	31.6
OR > 0	27.8	31.4	31.6	31.6	31.6	31.6	31.6	31.6
TOTAL	248	280	282	282	282	282	282	282

TOTAL NUMBER OF OBS: 391 PCT FREO NH <5/8; 68.4

TABLE 74

PERCENTAGE FREG OF LUW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD 08S 17.0 14.7 14.5 12.5 9.3 7.4 9.1 9.0 6.5 .0 958

								DECE	MBER						
PERIOD:	(PRIMARY) 1 (OVER-ALL) 1	922-1972 857-1972						TAE	LE 8				ARE	4 0018	H NW 112.7E
			ÞE	RCENT						URRENCE ALUES D				E OF	
	VSBY (NM)		N	NE	F	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL	
		PCP	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0		
	<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT #	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1/2/1	NO PCP	.0	• 0	.0	.0	.1	.3	.1	.0	.0	.0	.5		
	1/2/1	TOT %	.0	.0	.0	.0	.1	.3	. 1	.0	.0	.0	.5		
		101 %	• 0	.0	.0	.0	. 1		• •		.0	.0	.,		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1<2	NO PCP	. 1	.0	. 1	. 3	. 4	. 8		. 1	.0	.0	1.9		
		TOT %	• 1	• 0	. 1	. 3	. 4	. 8		. 1	.0	.0	1.9		
		PCP	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	2<5	NO PCP	.0	.0	.0	.0	. 3	.1	. 1	.0	.0	.0	.5		
		TOT %	.0	.0	.0	.0	. 3	. 1	. 1	.0	.0	.0	. 5		
		PCP	.0	.0	.0	. 2	.2	.3	.2		.0	.0	.9		
	5<10	NU PCP	• 1	. 2	. 5	5.4	13.7	6.3	1.9	1.1	.0	.0			
		TOT \$	• 1	. 2	.5	5.5	13.8	6.6	2.1	1.1	.0	.0	30.0		
		PCP	.0	.0	.0	.1	. 1	.4	. 1	.0	.0	.0	.7		
	10+	NO PCP	. 2	. 3	1.7	13.7	32.4	12.0	4.9	. 9	.0	. 3			
		TOT *	.2	.3	1.7	13.8	32.5	12.4	5.0	.9	.0	. 3	67.1		
		TOT DBS												1272	
		TOT PCT	. 4	.6	2.3	19.0	47.2	20.3	7.3	2.1	.0	.3	100.0		

TARLE 9

				PERCEN	T FRES	DF MI	NO DIR	ECTION	VS W	NO SPE	ED		
					WITH V	ARYING	VALUE	S UF V	121015	114			
VSBY (NM)	SPD	N	NE	E	SE	S	SW		NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	• •	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0		.1		.0	.0		. 2	
	11-21	.0	.0	.0	.0	*	. 1		.0	.0		. 1	
	22+	.0	.0	.0	.0			.0	.0	.0		.1	
	TOT %	.0	.0	.0	.0	. 1	. 2	.1	.0	.0	.0	.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	. 1	.0	.0	.0	.0	. 2	.0	.0	.0		. 3	
	11-21	*	.0	. 1	. 2	. 3	. 3		. 1	.0		1.0	
	22+	.0	.0	.0	. 1	. 1	. 2	.0	.0	.0		. 4	
	TOT %	. 1	• 0	. 1	.3	. 4	.7	•	.1	.0	.0	1.6	
	0-3	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.2	. 1		.0	.0		. 4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	. 2	. 1	•	.0	.0	.0	.4	
	0-3	.0	.0	.0	. 1			.0	.0	.0	.0	.1	
5<10	4-10	. 1	• 1	. 3	.6	2.2	2.0	. 7	.5	.0		6.6	
	11-21	.0	• 1	. 2	2.8	7.9	2.9	1.0	. 4	.0		15.3	
	22+	.0	.0	.0	1.5	2.2	. 8	.0	.0	.0		4.4	
	TOT %	. 1	• 2	.4	5.0	12.3	5.7	1.8	.9	.0	.0	26.4	
	0-3	.0	.1	.0			. 1		. 1	.0	.3	.8	
10+	4-10	. 1	• 1	.6	3.1	7.5	5.8	2.3	. 4	.0		20.0	
	11-21	. 1	• 1	.6	10.2	20.2	6.5	2.1	. 5	.0		40.3	
	22+	.0	.0	. 2	2.7	6.1	1.0	.1	.0	.0		10.1	
	TOT %	. 2	. 3	1.4	16.0	33.8	13.5	4.6	1.0	.0	.3	71.1	
	OT DAS												1518
Т	TOT PET	. 4	.5	1.9	21.2	46.8	20.3	6,5	2.0	.0	. 3	100.0	

DECEMBER

PERIOD: (PRIMARY) 1922-1972 (OVER-ALL) 1857-1972

TABLE 10

AREA 0018 PERTH NW 30.15 112.7E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 5 9 9	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
60300	.0	.0	. 8	1.7	12.6	10.0	6.7	2.5	.4	.0	34.7	65.3	239
06609	•0	.0	. 8	2.1	7.0	8.2	5.8	.4	.4	.0	24.7	75.3	243
12615	.0	.0	1.7	3.0	10.6	6.4	6.8	.4	.0	.0	28.9	71.1	235
18821	•0	.0	.5	4.1	13.3	8.3	6.0	.9	.0	.0	33.0	67.0	218
TOT	0	0	9	25	101	77	59	10	2	0	283	652	935

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	< 1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.3	1.3	. 3	23.8	74.4	383	60300	.0	1.3	3,5	33.0	63.5	230
06809	.0	.3	2.6	.0	21.1	76.0	342	06609	.0	. 9	3.1	23.2	73.7	228
12615	.0	.7	2 • 1	. 7	33.3	63.2	435	12615	.0	1.8	5.8	25.4	68.8	224
18621	.0	.3	• 5	.5	26.8	71.8	369	18621	.0	.5	5.2	29.0	65.7	210
TOT PCT	.0	.4	25 1.6	.4	407	1085	1529	PCT	.0	10	39	247	606	892 100.0

				Τ,	ARLE 1.	,									TAB	E 14				
	PERC	ENT FR	EQUENC	Y OF RI	ELATIVE	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FF	REQUEN	Y DF	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	085	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	. 2	.1	.2	.0	.0	.3	.0	8	.7	.0	.1	. 2	. 2	.1	.1	.0	.1	.0	.0
75/79	.0	.0	.0	.3	1.4	2.0	. 8	. 1	51	4.6	.0		.6	1.0	1.4	.6	. 5	. 2	.0	. 3
70/74	.0	.0	.0	.9	3.5	7.0	8.2	2.7	248	22.3	.1	.5	. 9	5.7	10.5	3.0	1.1	. 6	.0	.0
65/69	.0	.0	.2	1.6	8.8	18.4	19.3	7.5	622	55.8	.1		. 6	11.3	27.9	11.5	3.5	. 8	.0	.1
60/64	.0	.0	.0	. 8	5.3	4.8	4.5	.7	180		.0	.0	.0	3.5	7.2	4.2	1.1	.1	.0	.0
55/59	.0	.0	.0	.1	.0	.1	.1	. 2	5	. 4	.0	.0	.0		. 3	. 1	.0	.0	.0	.0
TOTAL	0	2	3	43	212	360	369	125	1114	100.0										
PCT	.0	.2	.3	3.9	19.0		33.1	11.2			.2	.6	2.3	21.8	47.4	19.5	6.2	1.7	.0	.4

				TAF	LE 15									TABLE	16			
	MEANS,	EXTREM	ES AND	PERCE	TILES	OF TE	AP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	84 400	2
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	WIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	85	80	75	68	62	59	57	68.1	434	00603	.0	4.6	22.5	33.9	30.4	8.5	76	280
12815		77	74	67	63	62	62 58	67.6	414	06809	.0	2.8	26.4	32.7	26.8	14.1	74	320
18621	77	74	71	66	62	60	58	66.3	416	18621	.0	2.3	13.6	31.1	37.1	15.9	79	264
TOT	85	79	75	68	63	61	57	67.9	1750	101	0	49	213	361	369	126	77	1118

DECEMBER

PERIOD: (PRIMARY) 1922-1972 (DVER-ALL) 1857-1972

TABLE 17

AREA 0018 PERTH NW 30.15 112.7E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE DECURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	57	61	65	69	73	77	81	85	TOT	w	WD
TMP DIF	60	64	68	72	76	80	84	88		FOG	FOG
11/13	.0	.0	.0	.0	.0	.0	.2	.1	3	.0	.3
9/10	.0	.0	.0	.0	. 2	.6	. 1	.0	10	.0	.3
7/8	.0	.0	.0	. 2	. 3	.6	. 2	.0	14	.0	1.3
	.0	.0	.0	.2	. 7	. 4	.0	.0	14	.0	1.3
5	- 0	.0	.2	.4	. 7	. 5	.0	.0	19	.0	1.7
5	.0	.0	.1	1.3	.3 .7 .7	.5	.0	.0	31	.0	2.9
3	.0	.0	.4	2.1	1.7	. 4	.0	.0	53	.0	4.9
3 2 1 0 -1 -2 -3	.0	.0	1.0	3.6	1.7	.1	.0	.0	69	.0	6.3
1	. 0	.4	2.7	3.4	1.2	.0	.0	.0	63	. 1	7.5
0	.0	. 8	8.1	4.3	. 8	.0	.0	.0	153	.1	14.0
-1	. 0	.9	8.8	2.9	.2	.0	.0	.0	140	.5	12 4
-2	.0	2.3	9.4	1.8	. 1	.0	.0	.0	148	.1	12.4
-1	. 3	3.4	7.4	1.7	.0	.0	.0	.0	139	. 2	12.6
-4	. 1	4.4	3.8	1.1	.0	.0	.0	.0	102	.0	9.4
-5	.2	2.5	2.6		.0	.0	.0	.0	64	. 5	5.9
-6	.1	1.2	.6	.2	.0	.0	.0	.0	22	.0	2.0
-7/-8	.2	1.0	.2	.2	.0	.0	.0	.0	17	.0	2.0
-9/-10	.0	.4	.1		.0	.0	.0			.0	1.6
-11/-13	.1		. 1	.0	.0	.0	.0	.0	5	.0	.5
TOTAL		.0	491	.0	97	. 0	.0	. 0			1077
TUTAL	10		491		97	20	2			10	1077
PCT		191		262		2.8	.5	.1	1087	-	
PCI	.9	17.6	45.2	24.1	8.9	2.0	. 2	. 1	100.0	. 9	99.1

PERIOD: (DVER-ALL) 1963-1972

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	. 1
3-4	.0	. 2	.0	.0	.0	.0	. 2	.0	. 1	.0	.0	.0	.0	. 1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.2	.2	.0	.0	•0	.4	.0	.1	.0	.0	.0	.0	. 1
				F							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	. 9	.0	.0	.0	.0	.9	.0	.0	.0	.0	. 0	.0	.0
1-2	.0	. 2	.0	.0	.0	.0	. 2	.0	2.2	. 9	.0	.0	.0	3.2
3-4	.0	.0	.6	. 2	• 0	.0	. 8	.0	.5	4.2	. 1	.0	.0	4.9
5-6	.0	. 2	. 2	.0	.0	.0	.5	.0	.0	5.0	.6	.0	.0	5.6
7	.0	.0	.0	. 2	.0	.0	. 2	.0	. 2	1.4	.4	.0	.0	2.1
8-9	.0	.0	.0	. 2	.0	.0	.2	.0	.0	.3	.1	.0	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.1	.0	.0	. 3
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	- 0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.4	. 9	.6	• 0	.0	2.9	.0	3.0	12.1	1.9	.0	.0	17.0

		DECEMBER	
PERIOD: (DVER-ALL)	1963-1972	TABLE 18 (CONT)	30.15 112.7E
		PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)	
		•	

				P.C	T FREQ D	F WIND	SPEED (KTS) AND DIREC	TIUN V	EKZUZ Z	EA HEIG	HTS (FT)			
HGT	1-3	4-10	11-21	\$ 22-33	34-47	48+	PCT	1-3	4-10	11-21	Sw 22-33	34-47	48+	PCT	
<1	.0	.2	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.5	
1-2	.0	3.7	2.3	.0	.0	.0	6.0	.0	4.5	1.1	.0	.0	.0	5.5	
3-4	.0	6.4	9.2	.2	.0	.0	15.8	.2	3.2	6.5	.0	.0	.0	10.0	
5-6	.0	.5	10.6	2.2	.0	.0	13.2	.0	.0	2.7	.0	.0	.0	2.7	
7	.0	.0	2.8	2.4	.0	.0	5.2	.0	.0	.8	.2	.0	.0	1.0	
8-9	.0	.2	2.3	2.7	.0	.0	5.2	.0	.0	.0	.2	.0	.0	.2	
10-11	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	
13-16	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
67+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	11.1	27.1	7.8	.0	.0	46.0	.5	8.0	11.0	.5	.5	.0	20.4	
107 -07	• •					.0	40.0				.,	.,		20.4	
HGT				22-33	34-47				4-10		NW				TOTAL
	1-3	4-10	11-21	.0		48+	PCT	1-3		11-21	22-33	34-47	48+	PCT	PCT
<1	.2	.4	.0		.0	• 0	.5	•1	.4	.0	.0	.0	.0	.4	
1-2	.0	3.2	4	.0	.0	.0	3.7	.0	.5	.0	.0	.0	.0	. 5	
3-4	.0	.6	1.8	.2	•0	.0	3.5	•0	.0	1.1	.0	.0	.0	1.1	
7	.0	.2	.5	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0		.0	. 5	.0	.0	. 2	.0	.0	.0	. 2	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0		.0	:0	.0		.0	.0		
20-22	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	.0	.0	
23-25			.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40				.0		• 0	.0		.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60		.0		.0	.0	.0	.0			.0	.0	.0	.0	.0	
	.0	.0	.0		• 0	• 0	.0	•0	.0	.0	.0	.0	.0	.0	
61~70 71~86	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	4.5	5.3	.2	.0	.0	.0		.8	.0	.0	.0	.0	.0	
TUT PCT	. 2	4.5	2.3		• 0	.0	10.2	•1	. 0	1.4	.0	.0	.0	2.2	99.3

	WIND	SPEED	(KT5)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.2	2.1	.0	.0	.0	.0	3.3	053
1-2	.0	14.4	4.7	.0	.0	.0	19.1	
3-4	.2	11.1	24.3	.7	.0	.0	36.3	
5-6	.0	.9		2.8	.0	.0		
7			20.3		.0	.0	24.1	
	.0	. 2	5.9	3.3			9.4	
8-9	.0	. 2	2.6	3.3	.0	.0	6.1	
10-11	.0	.0	. 2	.2	.0	.0	.5	
12	.0	.0	.0	.0	. 2	.0	. 2	
13-16	.0	.0	.0	.7	.0	.0	.7	
17-19	.0	.0	.0	.0	.2	.0	. 2	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86					.0	.0		
87+	.0	.0	.0	.0			.0	
8/+	.0	.0	.0	.0	.0	.0	.0	
								424
TOT PCT	1.4	29.0	58.0	11.1	.5	.0	100.0	

PERIOD:	love	ER-ALL) 194	9-197	,				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEI	SHT (F	r) vs	WAVE PE	RIDD	SECON	5)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13~16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
6-7	.3	3.7	3.4	5.1	9.1	1.0	2.4	.7	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	138	4
8-9	.0	.0	1.1	5.3	5.5	2.8		2.8	.6	.3	.0	.0	.0		.0	.0	.0	.0	.0	154	8
10-11	.0	. 3	. 3	1.6	3.1	3.4		1.0	. 1	.0	.1	• 1	.0		.0	.0	.0	.0	.0	8.5	8
12-13	.0	.0	. 1	.0	. 7	. 4	. 3	. 4	. 6	• 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	10
>13	• 0	.0	.0	.0	. 3	.1	• 1	. 4	- 1	. 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	11
INDET	. 7	1.1	3.3	1.3	1.3	1.3	.6	.1	. 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70	5
TOTAL	7	37	103	167	156	102	63	42	18	5	2	1	C	0	0	0	0	0	0	703	7
PCT	1.0	5.3	14.7	23.8	22.2	14.5	9.0	6.0	2.6	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD:	(PRIMARY)	1919-1972
	(DVER-ALL)	1854-1972

TABLE 1

AREA 0018 PERTH NW 29.95 112.7E

PERCENT	FREQUENCY	DF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION	

			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	1.9	2.9	3.5	.0	.0	.0	.0	8.2	3.3	2.3	1.3	1.0	4.8	.0	79.9
Ε	2.0	.9	. 5	.0	.0	.0	.0	3.4	:5	2.5	. 8	.0	1.3	.2	91.9
S E	1.1	2.3	.7	.0	.0	.0	.0	4.0	1.0	. 6	1.0	.1	1.5		91.6
SW	2.1	5.7	.8	.0	.0	.0	.1	8.3	3.2	1.1	1.5	.0	1.2	.0	86.2
NW VAR	2.9	6.7	.5	.0	.0	.0	.0	10.1	2.8	2.2	2.1	.0	1.4		80.0
CALM	1.5	.0	.6	.0	• 0	.0	.0	1.5	1.0	2.1	2.6	.0	.0	.0	92.7
TOT PCT	1.5	3.7	.7	.0	• 0	.0	•	6.0	1.8	1.1	. 8	•	1.3	•	89.2

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00 & 03 06 & 09 12 & 15 18 & 21	1.3 1.5 1.7 1.8	3.8 3.2 3.7 3.9	.6 .9 .6	.0	.0	.0	.0	5.7 5.5 5.9 6.7	2.1 1.7 1.6 1.6	.3 .2 1.7 2.1	.7 1.0 1.2	.0	1.4		89.8 90.0 88.3 88.7
TOT PCT TOT OBS:	1.6	3.7	.7	.0	•0	.0	•	6.0	1.7	1.1	.8	•	1.3		89.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIT	ID SPE	ED (KN	ופדם								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.2	1.3	1.1	.4	.1				11.6	3.3		3.3			2.4	2.9	
NE	. 2	2.0	1.4	.2		.0		3.9	10.2	5.0	5.8	3.9	2.9	2.4	3.1	3.9	4.3
F	. 3	2.8	2.8			.0		6.3	12.1	8.5	8.7	6.6	3.5	4.2	6.1	5.8	7.1
SE	.4	5.8	11.2		. 2	.0		20.9	14.2	23.2	19.0	22.5	18.5	19.1	16.2	22.7	20.0
5	.6	8.9	15.2		. 2			29.3	13.8	26.5							25.5
SW	. 5	7.2	8.0		. 5			18.8	13.8	17.6	18.4	17.3			22.4	17.8	19.7
ŭ.,	.4	3.9	4.2			. 1		11.1		10.3		10.6					11.7
NW	.3	2.1	2.3					5.8	12.8	4.9				5.8	6.3		5.4
VAR		.0	.0			.0			.5		.0	.1		.0	.0	.1	. 0
CALM	. 9	•0	•0	• • •	••	• •		.9	.0	.7	.7	.6	.6	1.0	. 9	1.3	1.4
TOT DBS							24382		14.1	4931	1500	4172	1925	4924	1382	3488	2060
TOT PCT	3.7	34.0	46.2	14.3	1.7	. 1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN	00	HOU!	12	18	
						DBS	FREQ	SPD	03	09	15	21	
N	.7	1.3		.2			3.0	11.6	3.4	3.3	2.5	2.8	
NE	1.0	2.1	.8	. 1			3.9	10.2	5.2	3.6	2.6	4.0	
E	1.3	3.6	1.3	. 1	.0		6.3	12.1	8.5	5.6	4.7	6.2	
SE	2.2	10.5	7.3	. 9			20.9	14.2	22.2	21.3	18.5	21.7	
5	3.3	14.8	10.0	1.2			29.3	13.8	26.2	30.0	32.8	28.3	
SW	3.0	9.8	4.7	1.2	. 2		18.8	13.8	17.8	18.7	20.3	18.5	
W	1.8	5.0	2.8	1.2	.2		11.1	13.8	10.6	10.9	11.8	11.1	
NW	1.1	2.6	1.5	.5	. 1		5.8	12.8	5.4	6.0	5.9	5.9	
VAR		• 0	.0	.0	.0			.5		. 1	.0		
TOT DES	.9					24382	. 9	14.1	6431	6097	6306	5548	
TOT PCT	15.4	49.6	29.0	5.5	.5		100.0			100.0			

PERIOD: (PRIMARY) 1919-1972 (DVER-ALL) 1854-1972

AREA 0018 PERTH NW 29.95 112.7E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	MIND	SPEED (KNOT5) 34-47	48+	MEAN	PCT	TOTAL
00603	7	3.1	35.8	45.9	12.9	1.5	.2	13.8	100.0	6431
06609	.6	2.7	31.8	48.0	14.9	1.9	. 1		100.0	6097
12615	1.0	2.9	34.6	44.3	15.6	1.6	. 1	14.1	100.0	6306
18381	1.3	2.7	33.6	46.7	13.7	1.9	. 1		100.0	5548
TOT	1.0		33.0	40.7	12.	• • • •		14.1		24382
DCT	9	2 8	34 0	46 2	14 3	1.7	. 1		100.0	

	CT FRE	0 as T	DTAL C	LOUD A	MOUNT (EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN	G HEIG	HTS (F	T, NH :	4/8)	
,	CIFRE			DIRFC		1041437							NH <5/					
WIND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	MEAN CLOUD COVER	000 149	150	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH C5/8 ANY HGT	
N	. 8	.5	1.2	.6		4.8	.0			. 2	.4	.3	.1	.1		.1	1.9	
NF	1.7	. 6	1.1	. 5		3.8	.0	.0	*	. 1	. 4	. 2	. 2	• 1		. 1	8.5	
E	3.6	1.0	1.4	. A		2.9	.0	.0	*	. 1	. 5	.5	. 2	. 1		. 1	5.3	
SE	10.2	4.3	6.1	2.0		3.4		*	. 1	. 6	2.2	1.9	1.0	. 4	• 1	.1	16.3	
5	11.1	6.1	10.6	2.8		4.0		.0	.2	1.2	3.8	3.0	1.6	. 4	.1	.1	20.1	
SW	3.8	3.9	7.3	1.9		4.5		*	. 1	1.0	2.5	1.9	1.3	. 3	. 1	. 1	9.6	
	1.8	2.7	4.4	1.3		4.7			. 1	. 7	1.8	1.3	. 5	• 1			5.6	
NW	1.1	1.0	2.0	1.0		4.9			. 1	. 3	1.0	.5	. 3	. 1			2.8	
VAR	***	1.0				7	.0	.0	.0	.0	.0		.0	.0	.0	.0		
CALM	.5	,	. 2	1		3.0	.0	.0	.0		. 1			.0	.0	*	. 7	
TUT OBS	. 2	. 1		• 1	10233	3.9	• •											10233
TOT PCT	34.5	20.1	34.4	11.0	100.0	•••	.1		.6	4.2	12.7	9.6	5.2	1.5	. 3	.5	65.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CEILI	G . DR	· UR	- DR	= DR	= OR	- DR	- DR	- DR
(FEFT		>5	>2	>1	>1/2	>1/4	>5040	>0
• DR >650	8. 00	.9	.9	. 9	. 9	.9	.9	.9
. DR >500		2.4	2.4	2.4	2.4	2.4	2.4	2.4
• DR >350		7.6	7.6	7.6	7.6	7.6	7.6	7.6
• DR >201		17.0	17.2	17.2	17.2	17.2	17.2	17.2
- OR >10		29.4	29.7	29.8	29.8	29.8	29.8	29.8
• DR >501		33.3	33.9	34.0	34.0	34.0	34.0	34.0
• DR >30		33.8	34.5	34.5	34.6	34.6	34.6	34.6
• DR >15		33.9	34.5	34.6	34.6	34.6	34.6	34.6
- DP > 0	29.8	34.0	34.6	34.7	34.7	34.7	34.8	34.8

TOTAL NUMBER UF OBS: 10350 PCT FRED NH <5/8: 65.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSC0 0BS 16-7 13-1 12-7 11-7 10-2 8-3 9-5 9-3 8-6 .1 11318

		L

								AA	INUAL						
PERIOD: (PRIM		919-1972 854-1972						TA	BLE 8				ARE	4 0018	H NW 112.7E
			PI	FRCENT	FREO PREC	OF WIN	D DIRE	CHION TH VAR	VS DCC	URRENC!	E DR N	IBILI	CURRENC	E OF	
	VSBY (NM)		N	NE	Ε	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
		PCP	*	.0	.0	.0	.0	.0		*	.0	.0			
	<1/2	NO PCP	*	.0	.0	*				.0	.0				
		TOT \$.0	.0	*					.0	•	. 1		
		PCP	.0		.0		.0		*	.0	.0	.0			
	1/2<1	NO PCP			.0	*	. 1	. 1	. 1	*	.0	.0	. 3		
		TOT *	*		.0	*	. 1	• 1	. 1	*	.0	.0	.3		
		PCP			.0				.1	*	.0	.0	. 1		
	1<2	NEI PCP				. 2	.3	. 2	*	*	.0	.0	.8		
		TOT %				.2	. 3	. 2	.1	*	.0	.0	.9		
		PCP	*				. 1		.1		.0		.3		
	2<5	NO PCP			*	. 2	. 2	• 1	. 1	. 1	.0	.0	.8		
		TOT %	• 1	*		.2	.3	. 2	. 2	. 1	.0		1.1		
		PCP	.2	-1	.1	.2	.4	1.2	1.1	.6	.0	.0	3.9		
	5<10	NO PCH	.6	1.0	1.3	4.2	7.1	5.3	3.1	1.5	.0	.1	24.3		
		TUT %	. 8	1.0	1.4	4.5	7.5	6.5	4.3	2.1	.0	. 1	28,2		
		PCP	. 1	• 1	.1	. 1	.3	.4	. 4	.2	.0	.0	1.6		
	10+	NO PCP	2.1	2.7	4.9	14.9	21.0	11.6	6.6	3.4		.6	67.8		
		TOT %	2.2	2.8	5.0	15.1	21.3	11.9	7.0	3.5		.6	69.4		
		TOT DBS												15076	
		TOT OCT	2.2	2.0	6 4	20 0	20 6	18.9	11.6	5.8		7	100-0		

TABLE 9

SBY	SPD	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
NM)	KTS												DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1/2	4-10		.0	.0					.0	.0			
	11-21		.0	.0						.0			
	22+	.0	.0	.0	.0	.0	.0	:	.0	.0			
	TOT %		.0	.0	*	*	•	•	•	.0		.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
/2<1	4-10	.0		.0	*			:		.0		.1	
	11-21		.0	.0			*			.0		.1	
	22+			.0						.0		. 1	
	TOT %			.0	*	• 1	. 1	.1	•	.0	•	.3	
	0-3		.0	.0						.0		.1	
1<2	4-10				.1	.1	.1			.0		.4	
	11-21		.0		.1	. 3	.1			.0		.6	
	22+	.0			.1	. 1				.0		.3	
	TOT %				. 3	.5	.3	.1	.1	.0		1.3	
	0-3			.0			.0	.0	.0	.0			
245	4-10					.1		.1		.0		.3	
	11-21				.1	. 1		.1	. 1	.0		.4	
	22+					. 1	.1	.1		.0		.3	
	TOT %	. 1			. 2	.3	. 2	. 2	. 1	.0		1.0	
	0-3			. 1	. 1	.2	.1	.1	.1	.0	.1	1.0	
5<10	4-10	.4	. 7	. 8	1.5	2.5	2.4	1.4	:7	.0		10.4	
	11-71	. 3	.5	. 8	2.8	4.5	3.0	1.5	. 8	.0		14.3	
	22+	. 2	. 1	. 1	1.1	1.4	1.3	1.3	. 5	.0		6.0	
	TOT %	. 9	1.3	1.8	5.6	8.6	6.8	4.3	2.1	.0	.1	31.6	
	0-3	.1	.1	.2	.2	.3	.3	.2	. 2		.6	2.2	
10+	4-10	. 8	1.3	1.9	4.1	6.4	4.6	2.3	1.3	.0		22.7	
	11-21	. 8	1.0	2.0	8.3	10.6	5.0	2.7	1.3	.0		31.6	
	22+	. 2	. 1	. 3	2.3	3.1	1.4	1.2	.5	.0		9.2	
	TOT %	1.9.	2.5	4.4	15.0	20.2	11.3	6.4	3.3		.6	65.6	

PERIOD: (PRIMARY) 1919-1972 (OVER-ALL) 1854-1972

TABLE 10

AREA 0018 PERTH NW 29.95 112.7E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
60300	.2	.1	.6	4.5	15.0	11.4	6.1	1.8	.4	.5	40.6	59.4	2806
06609	.0	.1	.7	3.7	10.4	8.5	5.5	1.5	.4	.7	31.5	68.5	2776
12615	.2	.0	.5	4.2	11.0	7.9	3,8	1.2	.2	.4	29.5	70.5	2627
18821	.1	.0	.5	3.7	11.3	8.5	4.5	1.3	.4	. 5	30.7	69.3	2660
TOT PCT	.1		• 6	4.0	12.0	9.1	5.0	1.4	.3	.5	33.1	66.9	10869

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00403	.1	.4	1.5	1.0	30.5	66.6	5485	60300	. 2	1.0	6.3	36.3	57.4	2687
06609	.1	.3	1.3	.7	30.3	67.2	4886	06609	.0	.9	5.4	27.8	66.9	2651
12615	• 1	.5	1.8	1.5	36.0	60.1	5553	12615	.3	.9	5.8	25.6	68.7	2486
18821	. 1	• 2	•6	.7	30.2	68.3	4811	18821	.1	.6	5.1	27.4	67.6	2527
TOT	.1	.3	1.3	1.0	31.9	65.4	20735	PCT	.1	.8	5.6	29.4	65.0	10351

TABLE 13															TABL	E 14				
	PERC	ENT FR	EQUEN	Y OF R	ELATIV	E HUMI	B YTIC	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N-BY TI	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	. 0	,				.0	.0			.0	.0	.0		*		.0	.0	.0	
80/84	.0		,		.1	.1	. 1	*		.5			. 1	. 1	. 1	. 1	*	*	.0	.0
75/79	.0			4	. 8	1.9	1.4	.4		4.9	- 1	. 2	.6	1.5	1.6	. 4	. 2	. 2	.0	. 1
70/74	.0			1.2	3.5	6.5	7.1	3.3		21.8	.7	. 9	1.4	5.7	8.1	2.7	1.1	1.1	.0	.1
55/69	.0			3 2.9	7.9	11.5	9.9	3.6		36.2	1.3	1.4	2.0	7.5	11.4	6.0	3.8	2.4		. 3
60/64	.0			2.9	10.2	9.1	5.4	1.7		29.7	.6	1.2	1.9	5.0	7.0	7.3	4.6	1.7	*	. 2
55/59	.0	.0		7	1.8	2.5	1.4	.4		6.8	• 1	. 3	.6	. 8	1.6	2.2	. 9	. 2	.0	*
50/54	.0			*	.0		. 1	*		.1	*				*	*	*	.0	.0	.0
45/49	.0					.0	.0	*		*	.0	.0	.0	.0	*	.0	.0	.0	.0	.0
TOTAL									14781	100.0										
PCT	.0	. 1		9 8.1	24.4	31.7	25.3	9.5			2.9	4.0	6.5	8.05	30.0	18.8	10.6	5.6		. 7

	TARLE 15													TABLE	16			
	MEANS,	EXTREM	S AND	PERCE	TILES	OF TE	MP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOU	R
HOUR (GMT)	MAX	99%	95% -	50%	5*	1%	MIN	MEAN	TOTAL	HOUR (GMI)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	86	77	73	66	61	58	48	65.7	6254	00603	.0	8.7	24.3	31.8	25.7	9.6	75	3920
06609	86	77	74	68	62	60	53	68.0	5871	90300	.0	14.5	29.4	31.3	18.7	6.0	71	3555
12815	85	75	72	66	61	59	51	65.4	6292	12615	.0	6.9	21.7	31.8	28.2	11.4	76	3981
10621	81	72	70	65	60	58	50	65.3	5586	18821	.0	6.6	21.5	31.6	28.9	11.2	76	3581
107	86	75	73	66	61	58	48	66.6	24003	TOT	0	1385	3664	4747	3804	1437	74	15037

ANNUAL

PERIOD: (PRIMARY) 1919-1972 (DVER-ALL) 1854-1972

TABLE 17

AREA 0018 PERTH NW 29.95 112.76

PCT	FREQ	OF A	IR TE	MPERA V	TURE S AIR	(DEG -SEA	F) AND	THE	DIF	RRENCE	OF FOG (WITHOU	T PRECIPITATION
AIR-SEA	49	53	57	61	65	69	73	77	81	85	707	*	WD
TMP DIF	52	56	60	64	68	72	76	80	84	88		FOG	FOG
14/16	.0	.0	.0	.0	.0	.0		.0			7	.0	.1
11/13	.0	.0	.0	.0	.0	*	*	. 1	. 1		28	.0	. 2
9/10	.0	.0	.0	.0	*	*	. 1	. 2	. 1		50	.0	.4
7/8	.0	.0	.0	.0		. 1	. 1	. 3	. 1	.0	77	*	.6
6	.0	.0	.0			. 1	.3	. 2	*	.0	80	.0	.6
5	.0	.0		*	. 1	. 2	. 4	. 3			135	.0	1.1
4	.0	.0		.1	. 1	.4	. 8	.3	*	.0	219		1.7
3	.0	.0		. 2	. 5	. 9	1.3	. 3		.0	403		3.1
2	.0	*	. 1	. 2	. 8	1.7	1.4	.2		.0	551	.1	4.3
1		.0	. 1	.6	1.9	2.6	1.6	.2	.0	.0	863	. 1	6.8
0	.0	*	. 2	1.4	3.6	3.9	1.5	. 1	*	.0	1349	.1	10.7
-1	.0	.0	. 4	2.3	4.2	3.9	. 7	. 1	.0	.0	1435	. 1	11.4
-2	.0	*	.6	3.5	5.0	2.8	. 4	*	.0	.0	1516	. 1	12.2
-3	.0	*	. 9	3.9	4.4	2.2	. 2	*	.0	.0	1444	.1	11.5
-4	. 0	*	1.3	4.1	3.2	1.1	. 1	*		.0	1203	. 1	9.7
-5	.0	. 1	1.7	3.7	2.6	.6	*	.0	.0	.0	1064	*	8.6
-6	.0	. 1	1.7	2.2	1.2	.3		.0	.0	.0	682	*	5.5
-7/-8		. 3	2.3	2.5	1.1	. 2	*-	.0	.0	.0	782		6.4
-9/-10	*	. 3	1.3	.9	. 3		.0	.0	.0	.0	349	.0	2.9
-11/-13		.2	. 5	. 4	. 1	*	.0	.0	.0	.0	144	.0	1.2
-14/-16	*	*	. 1	*		.0	.0	.0	.0	.0	17	.0	.1
-17/-19		*	.0	.0	.0	.0	.0	.0	.0	.0	5	. 0	
TOTAL											12403	-	

.4 .1

100.0

.8 99.2

PCT

PERIOD: (OVER-ALL) 1963-1972

.1 1.1 11.1 26.0 29.1 21.1 8.9 2.2

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 11-21 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 48+ 1-3 48+ 1-3 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-40 61-70 71-96 87+ 48+ 11-21 .0 .8 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 48. 1-3 11-21 1.2 3.9 4.0 2.2 3.3 2.2 0.0 0.0 0.0 34-47

									AN
PERIOD:	(OVER-ALL)	1963-1972						TABLE	18
			PCT	FREQ	DF	WIND	SPEED	(KTS)	AN

ANNUAL
TABLE 18 (CONT)

AREA 0018 PERTH NW 29.95 112.7E

PCT FRED DF WIND	SPEED IKTS	AND DIRECTION	VERSUS SEA	HEIGHTS (FT)

				PC	T FREQ	DF WIND	SPEED	(KTS)	AND	DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)	1		
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.2	.8	11-<1	.0	.0	.0	1.0			.2	.6	*****	.0	.0	.0	.9	
1-2	.1	4.2	1.6	.0	.0	•0	5.9			.1	3.2	. 8	.0	.0	.0	4.1	
3-4	.0	2.5	5.5	.5	.0	.0	8.4			*	2.0	3.3	.2	.0	.0	5.4	
5-6	.0	.4	6.1	1.7	.0	.0	. 8.2			.0	. 2	2.2	.4		.0	2.9	
7	.0	.1	2.0	1.4		.0	3.6			.0		.7	.5	.1	.0	1.3	
8-9	.0	.1	. 9	. 9	. 1	•0				.0	*	. 2	.4	. 1	.0	.7	
10-11	.0	.1	.1	.6	• 1	.0	1, 1,9		43			. 1	. 2		.0	.4	
12	.0	.0	*	. 2		.0	.3			.0	.0		.1		.0	.1	
13-16	.0	.0		. 2	*	.0	.3			.0	*		.1		.0	.2	
17-19	.0	.0	.0	. 1	.1	• 0	. 1			.0	.0				.0	.1	
20-22	.0	.0		.1	.1	• 0	. 1			.0	.0	.0	.0		.0	*	
23-25	.0	.0		.0	.0	.0	*			.0	.0	.0	.0		.0	*	
26-32	.0	.0	.0	.0	*	• 0				.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	. 3	8.2	16.2	5.6	.4	.0	30.6			. 3	6.2	7.4	1.9	. 4	.0	16.2	
													NW				TOTA:
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	POTAL
<1	.1	4-10	.0	.0	.0	•0	.5			.1	.3	.0	.0	.0	.0	.3	
1-2	.1	1.9	.7	.0	.0	•0	2.7			.1	3.	.4	.0	.0	.0	1.3	
3-4	*	1.3	1.9	.2	.0	.0	3.5			*	.5	1.0	.1	.0	.0	1.6	
5-6	.0	1.3	1.6	.3	*	.0	2.2			.0	.1	1.0	.2		.0	1.4	
7	.0	*	.6	.4	.1	.0	1.2			.0	.0	.3	. 2		.0	.5	
8-9	.0		. 1	.3	. 1	.0	.6			.0	. 0	.1	.2		.0	.3	
10-11	.0	.0	*	.3		• 0	.4			.0	.0		.1		.0	.2	
12	.0	.0	*	. 1	*	.0	.1			.0	.0	.0	.1		.0	.1	
13-16	.0	.0	.0	. 3	.1	.0	. 3			.0	.0		.1		.0	.1	
17-19	.0	.0	*	. 1		*	.1			.0	.0	.0	*		.0	.1	
20-22	.0	.0	.0	.0	.1	*	. 1			.0	.0	.0			.0		
23-25	.0	.0	.0	.0	*	• 0	*			.0	.0	.0	.0	*	.0		
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	. 2	3.9	5.2	2.0	.4	*	11.8			• 2	1.6	2.9	1.0	. 2	.0	5.9	99.0

WIND	SPEED	(KTS)	VS	SEA	HEIGHT	(FT)

нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT	
<1	2.2	3.3	.1	.0	.0	.0	5,5	003	
1-2	.6	15.5	5.6	.0	.0	.0	21.8		
3-4	. 1	8.9	18.5	1.3	.0	.0	28.8		
5-6	.0	1.6	16.7	3.6	. 1	.0	22.0		
7	.0	. 3	6.5	3.9	. 3	.0	11.0		
8-9	.0	. 2	1.8	2.7	.3	.0	4.9		
10-11	.0	. 1	.4	1.8	. 2	.0	2.5		
12	.0	.0	.1	. 8	.1	.0	1.0		
13-16	.0	*	. 1	. 9	.3	.0	1.4		
17-19	.0	.0		.3	. 2		.6		
20-22	.0	.0		. 2	. 2		.4		
23-25	.0	.0		.0		.0	. 1		
26-32	.0	.0	.0	.0	.1	.0	.1		
33-40	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		
								5247	
TOT PCT	3.0	29.8	49.8	15.5	1.8		100.0		

PER[00: (DVER-ALL) 1949-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-25	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
(SEC)																					HGT
<6	. 8	4.9	5.9	4.1	1.9	. 9	. 4	. 2	. 2		.0	.0	.0	.0	.0	.0	.0	.0	.0	1573	4
6-7	*	. 4	4.2	7.6	6.1	3.2	2.1	. 7	. 7	. 2	. 1	. 1	.0	.0	.0	.0	.0	.0	.0	2075	6
8-9	.0	. 1	1.1	4.2	6.1	3.8	3.0	1.6	1.5	.4	.3	. 1		.0	.0	.0	.0	.0	.0	1807	8
10-11	.0	. 1	.6	1.6	2.8	2.9	2.3	1.4	1.7	.4	. 3	.1	.1		.0	.0	.0	.0	.0	1152	9
12-13	.0	.0	.3	. 5	. 8	1.0	1.0	. 8	1.1	. 2	. 2	. 1		.0	.0	.0	.0	.0	.0	505	10
>13	.0	.0	.0	.1	. 3	.3	. 4	.5	. 7	. 1	.3		.1	.0	.0	.0	.0	.0	.0	224	13
INDET	. 8	.9	1.8	1.6	1.3	1.1	.7	.2	. 3	. 1	. 1	.0		.0	.0	.0	.0	.0	.0	737	6
TOTAL																				8173	7
PCT	1.6	6.5	14.9	19.7	19.4	13.1	10.0	5.4	6.2	1.5	1.1	.4	. 3		.0	.0	.0	.0	.0	100.0	

PERIOD:	(PRIMARY)	1919-1972
	(DVFR-ALL)	1854-1972

+	٨	0	b	-	-	in

AREA 0018 PERTH NW 29.95 112.7E

L/ 1034-1	112					IADL							29.93	115.1
			PERCE	NT FRE	QUENCY	OF 00	CURREN	CE OF	SEA TE	MP (DE	G F) B	Y MONTH	•	
SEA TMP	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	• 0	.0	.0	•0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	• 1	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	1	*
81/82	.0	.2	. 2	.0	. 1	.0	.0	.0	.0	.0	.0	.0	9	*
79/80	.2	.3	.6	. 4	. 2	. 2	.0	• 0	.0	.0	.0	• 1	37	. 2
77/78	1.1	3.0	2.5	2.3	. 7	. 1	.0	• 0	.0	.0	.0	• 1	176	. 9
75/76	3.6	8.8	8.8	9.0	5.0	1.3	.0	• 0	.0	. 1	.0	1.5	683	3.4
72/74	16.4	21.2	23.8	20.2	15.2	5.6	1.0	.6	. 3	. 3	. 3	5.4	1951	9.7
71/72	30.9	34.3	33.5	29.4	23.1	14.0	5.5	2.5	1.0	1.1	3.6	13.0	3356	16.5
69/70	31.2	22.7	21.6	23.4	28.6	25.6	15.3	12.1	4.9	7.9	16.6	29.5	4076	20.1
67/68	12.5	7.5	6.9	10.9	16.5	23.9	29.6	23.1	22.2	25.3	38.1	32.9	4128	20.3
65/66	3.2	1.2	1.3	3.0	7.5	18.0	24.4	31.7	32.6	32.1	27.4	13.7	3216	15.9
63/64	. 4	. 5	. 5	. 9	2.1	8.0	16.0	19.6	24.5	22.8	11.3	3.0	1793	8.8
61/62	. 3	. 2	. 1	. 3	. 7	2.1	5.4	7.2	10.2	7.3	1.9	. 3	588	2.9
59/60	. 1	. 1	*	. 1	. 3	. 9	2.3	2.2	2.7	2.3	.6	. 3	196	1.0
57/58	.0	.0	.0	. 1	. 1	. 1	. 2	. 7	1.0	. 5	. 1	.0	44	. 2
55/56	.0	.0	.0	.0	.0	. 1	. 2	• 1	. 3	.4	• 1	.0	18	.1
53/54	.0	.0	.0	.0	.0	.0	• 1	• 1	• 1	. 1	.0	.0	4	
51/52	.0	.0	.0	.0	.0	.0	.0	. 1	• 1	.0	.0	.0	2	
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	• 0	0	• 0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	• 0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	,0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/2R	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	• 0
<27	.0	0	.0	.0	.0	.0	0	0	0	0	.0	. 0	0	.0
TOTAL	1603	1610	2046	1843	1804	1712	1677	1591	1529	1746	1563	1564	20288	100.0
MEAN	70.6	71.6	71.6	71.2	70.1	68.1	66.4	65.7	65.0	65.4	66.8	68.6	68.4	

TABLE 21

P	R	E	S	S	U	R	E	(M	В	1

		ΔV	ERAGE	BY HOU	R (GMT)				
									TOTAL	
0000	0300	0500	0900	1200	1500	1800	2100	MEAN	OBS	
1014	1013	1013	1011	1012	1012	1012	1012	1013	1405	
1013	1013	1013	1012	1013	1013	1012	1013	1013	1440	
1016	1015	1015	1014	1015	1014	1015	1014	1015	1645	
1017	1017	1016	1017	1017	1017	1016	1017	1017	1612	
1018	1018	1017	1017	1018	1017	1018	1016	1018	1650	
1017	1017	1017	1016	1017	1017	1017	1017	1017	1571	
1019	1019	1018	1017	1019	1018	1018	1016	1018	1447	
1019	1020	1019	1018	1019	1018	1020	1018	1019	1420	
1019	1018	1019		1019	1017	1018	1017	1019	1379	
1018	1017	1017	1017	1018	1017	1017	1016	1017	1505	
1017	1016	1016	1016	1016	1015	1015	1015	1016	1316	
1015	1014	1014	1013	1014	1013	1013	1012	1014	1289	
1017	1016	1016		1016	1016	1016	1015	1016	17679	
3777	852	3255	1047	3766	870	3031	1081			
	1014 1013 1016 1017 1018 1017 1019 1019 1018 1017 1015	1014 1013 1013 1013 1016 1015 1017 1017 1018 1018 1017 1017 1019 1019 1019 1019 1019 1018 1018 1017 1017 1016	0000 0300 0500 1014 1013 1013 1013 1013 1013 1016 1015 1015 1017 1017 1016 1018 1018 1017 1019 1019 1018 1019 1020 1019 1019 1018 1019 1019 1016 1016 1015 1016 1016	1014 1013 1013 1011 1013 1013 1013 1012 1016 1015 1015 1014 1017 1016 1017 1016 1017 1016 1017 1016 1019 1017 1016 1017 1019 1019 1018 1017 1019 1019 1018 1017 1019 1019 1018 1017 1019 1018 1019 1018 1019 1018 1019 1017 1018 1017 1017 1017 1015 1016 1016 1016 1015 1014 1014 1013 1017 1016 1016 1016	0000 0300 0500 0900 1200 1014 1013 1013 1011 1012 1013 1013 1013 1017 1013 1016 1015 1015 1014 1015 1017 1017 1016 1017 1017 1018 1018 1017 1017 1016 1017 1019 1019 1018 1017 1019 1019 1020 1019 1018 1017 1019 1018 1017 1017 1016 1018 1018 1019 1018 1017 1019 1020 1019 1018 1017 1019 1018 1019 1017 1019 1018 1018 1019 1017 1019 1018 1017 1017 1017 1018 1017 1016 1016 1016 1016 1015 1014 1014 1013 1014 1017 1016 1016 1016 1016 1017 1016 1016 1015 1016	0000 0300 0500 0900 1200 1500 1014 1013 1013 1011 1012 1012 1013 1013 1013	0000	0000 0300 0500 0900 1200 1500 1800 2100 1014 1013 1013 1011 1012 1012 1012 1012 1013 1013	0000 0300 0500 0900 1200 1500 1800 2100 MEAN 1014 1013 1013 1011 1012 1012 1012 1012 1013 1013	0000 0300 0500 0900 1200 1500 1800 2100 MEAN 0BS 1014 1013 1013 1011 1012 1012 1012 1012 1013 1405 1013 1013 1013 1017 1013 1013 1013 1013

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1001	1004	1006	1010	1013	1015	1019	1021	1027
FEB	1000	1002	1006	1010	1013	1015	1019	1022	1030
MAR	999	1004	1008	1012	1015	1018	1021	1024	1029
APR	993	1004	1008	1014	1017	1020	1024	1026	1032
MAY	995	1001	1008	1015	1018	1022	1026	1029	1034
JUN	992	999	1005	1013	1018	1022	1026	1028	1033
JUL	995	1000	1006	1014	1019	1023	1028	1031	1037
AUG	999	1003	1003	1015	1020	1024	1028	1031	1036
SEP	1000	1004	1009	1015	1019	1022	1027	1029	1034
DCT	995	1002	1008	1015	1018	1021	1025	1027	1032
NOV	1004	1007	1010	1013	1016	1018	1022	1024	1027
DEC	997	1003	1007	1011	1014	1017	1020	1023	1027

PERIOD: (PRIMARY) 1924-1969 (DVER-ALL) 1857-1969

TABLE 1

AREA 0019 SHARK BAY 25.65 111.6E

PERCENT FREQUENCY	D.F.	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND UIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HP	SMOKE HAZE		
N	.0	15.4	.0	.0	.0	.0	.0	15.4	.0	.0	.0	.0	.0	.0	84.6
NE	.0	66.7	.0	.0	• 0	.0	.0	66.7	.0	.0	.0	.0	.0	.0	33.3
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	1.2	. 9	1.9	.0	.0	.0	.0	4.0	.6	1.1	.0	.0	3.4	.0	91.1
S SW	1.5	. 1	. 2	.0	.0	.0	.0	1.8	. 2	. 3	.4	.0	5.9	.0	90.4
SW	3.2	.0	. 9	.0	.0	.0	.0	4.2	. 2	. 5	.0	.0	4.6	.0	90.5
W	2.6	.0	.0	.0	.0	.0	.0	2.6	2.6	.0	.0	.0	5.1	.0	88.6
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50.0	.0	50.0
TOT PCT TOT OBS:	812	.4	.6	•0	•0	•0	.0	2.7	.4	.5	.2	.0	5.9	.0	90.4

TABLE 2

PERCENT FREDUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	1.8 1.5 2.0 1.5	.5 .0 .5	.5 .5 .5	.0	.0	.0	.0	2.7 2.0 3.0 3.1	.9	.5 .5 1.0	.0 .5 .5	.0	5.4 7.4 6.5 3.1	.0	90.0 90.1 89.5 92.3
TOT PCT	1.7	.4	.6	.0	.0	.0	.0	2.7	.4	.5	. 2	.0	5.9	.0	90.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIF	D SPF	ED (KN	DTS)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N	• 1	.3	• 1	•0		.0		.5	7.2	. 8	1.3	. 5	.0	.0	.0	. 7	5	
NE	• 1	. 1	• 1	• 0		.0		. 3	7.8	.5	1.3	. 2	.0	.0	.0	. 1	1.3	
E	.0	. 4	• 2	• 1	.0	.0		.7	13.4	1.2	.0	1.3	.5	. 2	.0	. 6	. 5	
SE	. 2	3.3	11.5	6.1	. 1	.0		21.1	17.3	23.2	9.0	24.1	17.8	16.2	13.5	22.6	28.8	
S	. 3	10.3	32.0	15.1	.2	.0		57.9	17.0	55.4	53.8	57.4	54.9	60.7				
SW	. 1	5.9	7.4	. 9	. 2	.0		14.5	12.7	14.1	24.4	11.7	19.6	17.8	13.5	11.9		
W	.0	1.9	1.1	.0	.0	.0		3.0	9.9	2.6	5.1	3.4	3.1	4.3	.0	2.2	1.3	
NW	.0	. 9	.5	• 0	.0	.0		1.4	9.8	1.5	2.6	1.4	2.1	. 8	7.7	. 5	2.5	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	
CALM	.6							.6	.0	.7	2.6	.0	2.1	.0	.0	. 4	2.5	
TOT UBS	19	317	726	306	6	0	1374		15.9	297	39	294	97	299	26	244	78	
TOT PCT	1.4	23.1	52.8		.4	.0		100.0		100.0	100.0	100.0	100.0				100.0	

		-	

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TUTAL	PCT FREQ	MEAN SPD	00	HBU 06 09	12 15	18
N	.3	.1		.0	.0		.5	7.2	.9	.4	.0	.5
NE	. 1	. 1		.0	.0		.5	7.8	.6	.1	.0	. 4
F	. 1	.5	. 1	. 1	.0		.7	13.4	1.0	1.1	. 2	.6
SE	1.0	7.5	11.2	1.4	.0		21.1	17.3	21.6	22.6	16.0	24.1
S	2.4	24.2	28.1	3.2	.0		57.9	17.0	55.2	56.8	61.1	58.9
SW	1.5	9.8	2.8	.3	.0		14.5	12.7	15.3	13.7	17.5	11.6
W	.6	2.4	.1	.0	.0		3.0	9.9	2.9	3.3	3.9	1.9
NW	. 2	1.2	.0	.0	.0		1.4	9.8	1.6	1.5	1.4	1.0
VAR	.0	.0	.0	.0	.0		.0	• 0	.0	.0	.0	.0
CALM	.6		• • •				.6	.0	. 9	.5	.0	. 9
TOT DBS	93	630	582	69	0	1374		15.9	336	391	325	322
TOT PCT	6.8	45.0	62 6	5.0	- 0		100.0					

JANUARY

PERIOD: (PRIMARY) .924-1969 (DVER-ALL) 1857-1969

TABLE 4

AREA 0019 SHARK BAY 25.65 111.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00603	.9	1.2	25.0	49.1	23.8	.0	.0	15.6	100.0	336
90300	. 5	.5	20.7	56.5	20.7	1.0	.0	16.0	100.0	391
12615	.0	. 9	24.6	52.0	22.2	.3	.0	16.1	100.0	325
18621	.9	. 6	22.4	53.1	22.7	.3	.0	15.9	100.0	322
TOT	8	11	317	726	306	6	0	15.9		1374
PCT	.6	. 8	23.1	52.8	22.3	.4	.0		100.0	

P	CT FRE																	
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	CLOUD	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	.2	. 2	. 2	.0		3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.5	
NE	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	. 4	.0	.3	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 6	
SE	5.2	3.0	6.8	3.7			.0	.0	. 1	1.2	2.7	1.4	2.5	• 1	.0	.0	10.6	
S	25.3	13.9	16.8	6.1			.0	.0	. 8	2.8	8.2	4.1	1.8	. 4	.0	. 3	43.8	
SW	5.3	2.2	3.7	2.0				.0	*	1.0	1.4	. 7	. 4	.0		.0	9.7	
W	1.1	1.3	. 8	. 6				.0	.0	. 1	.6	. 1	.0	.0	.1	.0	2.9	
NW	. 3	. 1	. 3	.0				.0	. 0	.0	.0		.0	.0	.0	.0	. 6	
VAR	.0	.0	.0					.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	. 2	.0	. 2					.0	.0	.0	• 0	.0	.0	• 0	.0	.0	_	
TOT OBS	251			82	661			0	6	34	85			3	1	2		561
TOT PCT	38.0	20.7	28.9	12.4	100.0		.0	• 0	.9	5.1	12.9	6.5	4.7	.5	• 2	. 3	69.0	100.0
	WND DIR NE E S S W W W V A R C T T T D B S	NND DIR 0-2 NE .0 E .4 SE .4.2 S 25.3 SH 1.1 NWR .3 VAR .0 CALM .2 TUT 08 < 251	N2 .2 NE .0 .0 E .4 .0 SE 5.2 .3 .0 S 25.3 13.9 SH 1.1 1.3 NW .3 .1 VAR .0 .0 CALM .2 .0 TUT OBS 251 137	PCT FREQ DF TOTAL C BY WINI WND DIR 0-2 3-4 5-7 N .2 .2 .2 NE .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	PCT FREQ OF TOTAL CLOUD A 8Y MIND DIREC WND DIR 0-2 3-4 5-7 8 & 085 CD N	PCT FREQ DF TOTAL CLOUD AMOUNT OF SY MIND DIRECTION WND DIR 0-2 3-4 5-7 8 6 TOTAL DBSCO DBSC N 2 2 2 7 0 BSC NE 0 0 0 0 0 0 6 E 4 0 3 0 58 3.7 5 S 25,3 13,9 16.8 6.1 SH 5.3 2.2 3.7 2.0 H 1.1 1.3 8 6 6 NW 3 1 3 0 0 6.8 6.1 VAR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PCT FREQ DF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN WND DIR 0-2 3-4 5-7 8 6 TOTAL CLOUD DBSCD DBSC DBS COVER N 2 2 2 0 0 3.6 NE 0 0 0 0 0 0 0 3.0 E 4 0 3 0 6.8 3.7 4.6 SE 5.2 3.0 6.8 3.7 4.6 S 25.3 13.9 16.8 6.1 3.5 SH 5.3 2.2 3.7 2.0 3.7 NN 3 1 3 6 6 4.2 NN 4 6 0 0 0 0 0 0 0 0 0 0 CALM 2 0 0 0 0 0 0 0 0 CALM 2 137 161 82 661 3.8	PCT FREQ DF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION WND DIR 0-2 3-4 5-7 8 6 TOTAL CLOUD 000 DBSCD DBS COVER 149 N 2 .2 .2 .0 3.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	PCT FREQ DF TOTAL CLOUD AMOUNT (EIGHTHS) BY MIND DIRECTION MND DIR 0-2 3-4 5-7 8 6 TOTAL CLOUD DBSCD DBS COVER 149 299 N 2 .2 .7 .0 3.6 .0 .0 .0 N	PCT FREQ DF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN MND DIR 0-2 3-4 5-7 8 6 TOTAL CLOUD 000 150 300 149 299 599 N2 .2 .2 .0 3.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	PCT FREQ DF TOTAL CLOUD AMOUNT (EIGHTHS) WND DIR 0-2 3-4 5-7 8 TOTAL CLOUD 000 150 300 600 WND DIR 0-2 3-4 5-7 8 TOTAL CLOUD 000 150 300 600 N 2 2 2 2 0 0 3.6 0 0 0 0 0 0 0 N 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 E 4 0 0 3 0 3 0 3,0 0 0 0 0 0 0 0 SE 5 2 3.0 6.8 3.7 4 6 0 0 0 0 0 1 1.2 S 25 3 13.9 16.8 6.1 33.5 0 0 0 1 1.2 S 25 3 13.9 16.8 6.1 33.5 0 0 0 0 0 8 2.8 SH 5.3 2.2 3.7 2.0 3.7 0 0 0 1.0 N 1 1 1 3 8 6 4.2 0 0 0 1 1.0 N 1 1 1 3 8 6 4.2 0 0 0 0 0 0 0 0 VAR 0 0 0 0 0 0 0 0 0 CALM 2 0 2 0 0 0 0 0 0 0 TOTOBS 251 137 161 87 661 3.8 0 0 0 6 34	PCT FREQ DF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN WND DIR 0-2 3-4 5-7 8 0 TOTAL CLOUD 0B5 COVER N	PCT FREQ DF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN OBSCO OBS COVER N	PCT FREQ DF TOTAL CLOUD AMDUNT (EIGHTHS) BY WIND DIRECTION MEAN OBSCO DBS COVER N	PCT FREQ DF TOTAL CLOUD AMDUNT (EIGHTHS) BY MIND DIRECTION MEAN WND DIR 0-2 3-4 5-7 8 6 TOTAL CLOUD DBSCD DBSC COVER N 2 .2 .2 .0 3.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	PCT FREQ DF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN WND DIR 0-2 3-4 5-7 8 6 TOTAL CLOUD DBSCD DBS COVER 000 150 300 600 1000 2000 3500 5000 6500 149 299 599 999 1999 3499 4999 6499 7999 N 2 .2 .2 .2 .0 3.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	PCT FREQ DF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN NO. 2 .2 .7 .0 .3.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	PCT FREQ DF TOTAL CLOUD AMDUNT (EIGHTHS) BY MIND DIRECTION MEAN WAD DIR 0-2 3-4 5-7 8 6 TOTAL CLOUD DBSCD DBSC DBSC COVER N 2 .2 .2 .0 3.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

TABLE 7

CUMUL	AT	I١	/E	PC	т	FREQ	OF	SIMUL	T	ANEQU	S	DC	CURRE	NCE
OF	CE	I	. 1	NG	HE	IGHT	(NH	>4/8)	AND	٧	SBY	(NM)	

				VSBY (NM	1)			
CEILING	• DR	- DR	= DR	= OR	· OR	= DR	- DR	E DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• OR >6500	.2	.6	.6	.6	.6	.6	.6	.6
■ DR >5000	.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
■ DR >3500	4.4	5.8	5.8	5.8	5.8	5.8	5.8	5.8
■ DR >2000	10.2	12.1	12.3	12.3	12.3	12.3	12.3	12.3
■ DR >1000	17.9	23.8	25.0	25.0	25.0	25.0	25.0	25.0
■ DR >600	20.8	28.2	29.7	29.8	29.8	29.8	29.8	29.8
■ DR >300	21.2	28.8	30.5	30.8	30.8	30.8	30.8	30.8
■ DR >150	21.2	28.8	30.5	30.8	30.8	30.8	30.8	30.8
. OR > 0	21.2	28.8	30.5	30.8	30.8	30.8	30.8	30.6
TOTAL	140	190	201	203	203	203	203	203

TOTAL NUMBER OF OBS: 660 PCT FREQ NH 45/81 69.2

TABLE 74

PERCENTAGE FREG OF LOW CLOUDS (FIGHTHS)

7 1 2 3 4 5 6 7 8 0BSCD DBS 18.9 13.6 13.1 12.6 10.2 5.1 8.7 6.8 10.9 .0 704

1	Δ	N	u	Δ	R	Y

PERIOD:	(PRIMARY) 1 (OVER-ALL) 1	924-1969 857-1969						TAI	BLE 8				ARE	25.65 111.
			PF	RCENT	PREC	OF WIN	D DIRE	CTION TH VAR	ING VA	RRENCE	F VIS	181L11	URRENC	E OF
	VSBY (NM)		N	NE	E	SE	s	SW	*	NH	VAR	CALM	PCT	TOTAL
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		TOT %	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		PCP	• 1	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		TOT %	• 1	. 1	.0	.0	.0	.0	.0	.0	.0	.0	. 1	
		PCP	.0	.0	.0	.2	. 3	.0	.0	.0	.0	.0	.5	
	1<2	NO PCP	.0	.0	.0	. 2	. 1	. 0	.0	.0	.0	.0	. 2	
		TOT %	• 0	.0	.0	.3	. 4	.0	.0	.0	.0	.0	. 7	
		PCP	• 0	.0	.0	.2	.3	. 2	.0	.0	.0	.0	.6	
	2<5	NO PCP	.0	.0	.0	. 4	1.7	. 5	. 1	.0	.0	.0	2.7	
		TOT %	• 0	• 0	.0	.5	2.0	.6	. 1	.0	.0	.0	3.3	
		PCP	• 0	.0	.0	.5	.5	.3	. 1	.0	.0	.0	1.4	
	5<10	NO PCP	.0	.0	.0	5.7	12.7	1.9	1.3	. 1	.0	. 1	21.9	
		TOT %	• 0	• 0	.0	6.2	13.1	2.2	1.4	.1	.0	.1	23.2	
		PCP	•0	.0	.0	.0	.0	. 1	.0	.0	.0	.0	.1	
	10+	NO PCP	. 3	*	.5	12.6	46.1	10.3	2.0	. 4	.0	.1	72.5	
		TOT %	. 3	*	. 5	12.6	46.1	10.4	5.0	.4	.0	. 1	72.6	
		TOT 085												810
		TOT PCT	. 4	. 1	. 5	19.7	61.7	13.3	3.5	.6	.0	.2	100.0	

TABLE 9

				ENGE.	WITH V	ARYING	VALUE:	S DF V	ISIBIL	TY			
VSBY	SPD KTS	N	NE	E	SE	\$	SW	*	NW	VAR	CALM	PET	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.1	.0	.0	.0	.0	.0		.1	
	TOT %	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	. 1	
	0-3	.0	.0	.0	.0	4	*	.0	.0	.0	.0	.1	
1/2<1	4-10	.0	.0	.0	.0	. 1	.1	.0	.0	.0		. 2	
	11-21	*	*	.0	.0	. 2	.0	.0	.0	.0		. 2	
	22+	.0	.0	.0	*	. 5	.0	.0	.0	.0		. 5	
	TOT %	*	*	.0		. 7	. 1	.0	.0	.0	.0	1.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
1<2	4-10	.0	.0	.0	. 1	. 9	1.0	. 1	.1	.0		2,2	
	11-21	.0	.0	.0	.6	2.2	. 7	.0	. 2	.0		3.7	
	22+	.0	.0	*	. 1	1.4	. 1	.0	.0	.0		1.7	
	TOT %	.0	• 0	*	. 9	4.5	1.7	.1	. 2	.0	. 2	7.7	
	0-3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
2<5	4-10	.0	.0	.0	*	. 2	.0	. 1	. 1	.0		. 4	
	11-21	.0	.0	.0	.2	.5	. 2	.0	.0	.0		. 9	
	22+	.0	.0	.0	. 1	. 7	. 3	.0	.0	.0		1.1	
	TOT %	.0	.0	.0	. 4	1.4	.5	. 1	- 1	.0	.0	2.5	
	0-3			.0	.0	.0	.0	.0	.0	.0	.2	. 2	
5<10	4-10	*	.0	.0	. 5	2.6	1.9	. 6	.5	.0		5.2	
	11-21	.0	.0		4.4	9.0	2.2	.6	.1	.0		16.3	
	22+	.0	.0	. 1	2.2	6.3	.4	.0	.0	.0		9.1	
	TOT %	. 1	*	. 1	7.1	17.9	4.5	1.2	.6	.0	. 2	31.8	
	0-3	. 1	.0	.0	. 2	. 3		.0	.0	.0	. 2	.7	
10+	4-10	. 2	.0	. 3	2.3	6.2	3.2	1.1	. 3	.0		13.5	
	11-21	. 1	*	. 1	5.4	20.2	4.1	.6	. 2	.0		30.8	
	22+	.0	.0	.0	3.3	8.1	. 5	.0	.0	.0		11.9	
	TOT %	.3	*	. 4	11.2	34.7	7.7	1.8	.6	.0	.2	56.9	
	OT ORS												1203
7	DT PCT	.4	• 1	.6	19.7	59.3	14.5	3.2	1.5	.0	. 6	100.0	

JANUARY

PERIOD: (PRIMARY) 1924-1969 (DVER-ALL) 1857-1969

TABLE 10

AREA 0019 SHARK BAY 25.65 111.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499		8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.0	.0	1.1	5.3	18.0	6.3	4.8	.5	1.1	.5	37.6	62.4	189
90360	.0	.0	1.7	5.6	4.5	7.9	2.8	.0	.0	.0	22.6	77.4	177
12815	.0	.0	.6	4.9	12.8	4.3	3.0	1.2	.0	.6	27.4	72.6	164
18821	.0	.0	•0	3.8	13.9	6.3	7.6	.0	.0	.0	31.6	68.4	158
TOT	.0	.0	.9	34	85 12.4	6.3	4.5	.4	.3	.3	206	482 70.1	688

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	2.2	4.3	2.2	26.3	60.9	312	60300	.0	1.1	8.7	30.1	61.2	183
90360	.0	.3	9.9	2.3	31.0	56.4	303	90300	.0	1.8	10.9	16.4	72.7	165
12615	.3	1.3	8 . 2	2.3	33.3	54.6	306	12615	.0	.6	6.2	21.7	72.0	161
18621	.0	.3	4.5	3.1	37.4	54.7	289	18821	.0	.0	6.6	26.5	66.9	151
TOT	1	13	94	30	386	686	1210	TOT	0	6		157	449	660

TARLE 13

TABLE 14

	PERCE	ENT FR	EQUENC	Y DF R	ELATIVE	HUMI	DITY B	Y TEMP				PERCE	NT FR	EQUENC	Y DF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	Ε	SE	s	SW	w	NW	VAR	CALM
85/89	.0	.0	.0	. 1	.7	. 2	.0	.0	9	1.0	.0	.0	.0	. 1	.4	.2	. 1	. 2	.0	.1
80/84	.0	.0	.0	. ?	1.5	1.4	2.0	. 1	46	5.2	. 3	.0	. 2	. 5	2.3	1.1	. 5	. 1	.0	. 2
75/79	.0	.0	.0	.6	2.4	A.9	12.8	7.1	281	31.8	. 1	. 1	. 4	4.6	17.6	6.7	1.4	1.0	.0	.0
70/74	.0	.0	.0	. 5	5.2	11.2	24.3	11.4	465	52.7	.0	.0	. 1	9.3	35.5	6.4	. 8	. 4	.0	. 1
65/69	.0	.0	.0	.5	.9	2.5	4.4	1.0	82	9.3	.0	.0	.0	2.8	5.8	. 5	. 1	. 2	.0	.0
TOTAL	0	0	0	16	94	214	385	174	883	100.0										
PCT	.0	.0	.0	1.9	10.6		43.6				.4	.1	.7	17.3	61.6	14.9	2.9	1.8	.0	. 5

TARLE I

				TAR	LE 15									TABLE	16			
	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOUR	t
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	87	84	79	73	69	68	67	73.8	332	00603	.0	. 8	10.5	21.8	46.6	20.2	82	238
90300	90	87	93	75	70	68	67	75.5	371	06609	.0	3.7	18.7	34.7	32.9	10.0	78	219
12615	89	84	81	74	69	67	65	74.0	320	12615	.0	1.3	7.6	24.4	42.2	24.4	83	225
18821	82	80	77	72	68	66	61	72.3	320	18621	.0	1.5	5.9	15.1	53.2	24.4	83	205
TOT	90	85	81	73	69	67	61	74.0	1343	TOT	0	16	95	214	387	175	81	887

PERIOD: (PRIMARY) 1924-1969 (OVER-ALL) 1857-1969

TABLE 17

AREA 0019 SHARK BAY 25.65 111.6E

PCT FRRQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FQG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	65	69	73	77	81	85	89	TOT	W	WD
TMP DIF	68	72	76	80	84	88	92		FOG	FOG
11/13	.0	.0	.0	.0	. 2	.0	.2	2 8	.0	.3
9/10	.0	.0	.0	.0	. 8	. 5	.0	8	.0	1.3
7/8	.0	.0	.0	.3	, 5	. 2	. 2	7	.0	1.1
	.0	.0	.0	. 5	. 3	. 2	.0	6	.0	1.0
5	.0	.0	.0	1.5	. 3	.2	.0	14	.0	2.3
	.0	. 3	1.5	1.1	.5	.0	.0	21	.0	3.4
3	.0	. 2	1.6	2.8	.7	.0	.0	32	.0	5.2
2	.0	. 8	4.3	2.6	. 5	.3	.0	52	.0	8.5
1	. 0	3.1	6.1	2.0	. 3	.0	.0	70	.0	11.5
3 2 1	.0	4.4	8.2	2.9	,5 .3 .5 .7 .5 .3	.0	.0	99	.0	16.2
-1	.2	6.5	7.5	1.5	.2	.0	.0	97	.0	15.9
-2	.0	7.9	5.1	. 7	.0	.0	.0	83	. 3	13.3
-2 -3	.5	3.8	3.3	.7	.0	.0	.0	48	.0	7.9
-4	. 7	3.4	2.1	. 2	.0	.0	.0	39	.0	6.4
-4 -5	. 2	1.3	1.0	.0	.0	.0	.0	15	.0	2.5
-6	. 2	. 7	. 5	.0	.0	.0	.0	8	.0	1.3
-7/-8	.0	.5	.7	.0	.0	.0	.0	7	.0	1.1
-9/-10	.3	.0	.0	.0	.0	.0	.0	2	.0	. 3
-11/-13	.0	. 2	.0	.0	29	.0	.0	1	.0	.3
TOTAL	13		257		29		.0		2	609
		202		100		8		611		3.4
PLT	2.1	33.1	42.1	16.4	4.7	1.3	.3	100.0	. 3	99.7

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PET	.0	.0	.0	.0	• 0	.0	.0	•0	.0	.5	.0	.0	.0	.0
HGT	1-3	4-10	11-21	27-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	. 7	1.1	.0	.0	.0	1.8
3-4	.0	.0	. 2	.0	.0	.0	. 2	.0	1.1	1.9	.1	.0	.0	3.1
5-6	.0	.0	.0	.0	.0	.0	.0	• 0	.0	2.3	1.3	.0	.0	3.6
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 3	. 8	.0	.0	1.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	. 1	.0	.6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 3	.0	.0	. 3
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 6	.0	.0	. 6
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	. 2
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TIT PCT	.0	.0	. 2	.0	.0	.0	. 2	.0	1.8	5.8	3.7	.1	.0	11.3

									JANI	JARY							
PERIOD:	COVE	R-ALL)	1963-1	1969										AREA		SHARK E	
								TABLE	18	(CUNT)					25.	65 111	.6F
				Pc	T FREQ	DF WIN	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
				S									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1	.0	.6	.0	.0	.0	.0	.6			.0	.7		.0	.0	.0	. 7	
1-2	.0	4.3	1.4	.0	.0	.0	5.7			.0	2.7			.0	.0	3.3	
3-4	.0	3.9	17.8	1.8	• 0	.0	23.5			.0	1.3	3.8	. 2	.0	.0	5.3	
5-6	.0	. 3	12.9	9.5	• 0	.0	22.7			.0	. 3		.8	. 5	.0	3.4	
7	.0	.0	3.8	6.3	• 2	.0	10.3			.0	.0		. 3	.1	.0	.6	
8-9	.0	.0	1.3	3.5	. 2	.0	5.0			.0	.0		.0	.0	.0	.0	
10-11	.0	.0	. 8	1.7	.0		2.4			.0	.0		.1	.0	.0	. 8	
12	.0	.0	.0	.2	.0	.0	. 2			.0	.0			.0	.0	.0	
13-16	.0	.0	.4	. 2	.0	.0	.6			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	:0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.5	.0	.0	
TOT PCT	.0	9.1	38.3	23.1	.4	.0	71.0			.0	5.0		1.3	.6	.0	14.2	
HGT	1-3	4-10	11-21	W 22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.2	.0	.0	.0	.0	.2			.0	.0		.0	.0	.0	.0	
1=2	.0	. 4	.0	.0	.0	.0	.4			.0	.1		.0	.0	.0	. 1	
3-4	.0	. 8	.4	.0	.0	.0	1.3			.0	.0		.0	.0	.0	. 3	
5-6	.0	.0	1.1	.0	.0	.0	1.1			.0	.0		.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	•0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			• 0	.0		.0	.0	.0	.0	
TOT PCT	.0	1.5	1.5	.0	.0	.0	3.0			.0	.1	. 3	.0	.0	.0	. 3	100.0

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	.0	1.5	.0	.0	.0	.0	1.5	003
1-2	.0	8.2	3.1	.0	.0	.0	11.3	
3-4	.0	7.2	24.4	2.1	.0	.0	33.6	
5-6	.0	. 5	18.2	11.5	.5	.0	30.8	
7	.0	.0	4.4	7.4	. 3	.0	12.1	
8-9	.0	.0	1.3	4.1	. 3	.0	5.6	
10-11	.0	.0	1.5	2.1	.0	.0	3.6	
12	.0	.0	.0	. 8	.0	.0	. 8	
13-16	.0	.0	.5	.3	.0	.0	. 8	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-00	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								390
TOT PCT	.0	17.4	53.3	28.2	1.0	.0	100.0	
1000		-		1000000				

PERIND:	(DVI	ER-ALL	194	9-1969					TABLE	19											
					PERCEN	T FRE	QUENCY	OF WA	VE HFI	SHT (FT) VS	WAVE P	ERIDO	(SECON	05)						
SEC)	< 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	.7	3.1	5.7	4.7	1.8	7	. 4	.0		.0	.0	.0	.0	.0	.0	.0		.0	.0	103	4
6-7	.0	.0	2.5	7.4	10.0	7.3		1.6		. 2	. 2	.0	.0	.0	.0	.0		.0	.0	179	7
8-9	.0	. 4	.5	3.6	9.3	6.7	2.0	2.5	1.3	. 2	. 2	.0	.0	.0	.0	.0	.0	.0	.0	147	8
10-11	.0	. 4	.0	.7	4.2	1.6	.5	2.2	1.8	.0	. 2	.0	.0	.0	.0	.0	.0	.0	.0	64	9
12-13	.0	.0	. 2	.0	. 2	. 9	. 9	.5	.7	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	11
>13	• 0	.0	.0	.2	.0	.0	.0	. 4	.4	. 2	. 2	.0	.0	.0	.0	.0	.0	.0	.0	7	13
INDET	. 4	.0	.4	2.5	1.1	. 2	.5	. 4	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	30	6
PCT	. 6	21	57	106	146	. 796	32	42	36	5	4	0	0	0	0	0	0	0	0	551	7
PCI	1.1	3.8	10.3	19.2	26.5	11.4	5.8	7.6	6.5	. 4		.0	• 0	.0	* 0	. 0	• 0	+0	. 0	100.0	

PERIOD: (PRIMARY) 1923-1969 (QVER-ALL) 1867-1969

TABLE 1

AREA 0019 SHARK BAY 25.55 111.6E

DEDCENT	EDECHIENCY	DE	WEATHER	DCCURRENCE	RV	WIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	DE TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	85.7
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	3.4	.0	.0	.0	93.1
E	4.9	4.9	.0	.0	.0	.0	.0	9.9	.0	.0	3.7	.0	.0	.0	86.4
SE	.0	.0	.0	.0	.0		.0	.0	1.1	.3	. 8	.0	2.5	.0	95.2
S	.0	.3	. 2	.0	.0		.0	. 4	. 2	1.1	1.6	.0	8.0	.0	88.7
SW	1.4	.0	. 3	.0	.0	.0	.0	1.7	1.7	2.1	.3	.0	13.4	.0	80.7
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.6	.0	.0	.0	.0	86.4
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.0	.0	.0	.0	81.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	• 0		.0	.0	.0	14.3	.0	.0	.0	.0	85.7
TOT PCT TOT OBS:	696	.3	.1	•0	•0	.0	.0	.7	.6	1.3	1.4	.0	6.6	•0	89.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	.0	.0 .0 1.2	.0	.0	.0	7.7	.0	.0 .6 1.8	.0 .6 1.8	.0 .0 1.2 4.1	1.6 1.1 1.2 1.8	.5	5.8 9.6 7.9 3.0	.0	92.1 88.8 87.2 88.8
TOT PCT	701	.3	. 1	.0	•0	.0	.0	.7	.6	1.3	1.4	.1	5.6	.0	89.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

											51122						
		WIT	ID SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-12	11-21	22-33	34-47	48+	TOTAL	PCT	MEAN	00	03	06	09	12	15	18	21
							DBS		SPD								
N	.1	. 3	.0	.0	.0	.0		.5	4.7	.6	.0	1.1	.0	. 3	.0	.3	. 0
NE		.5	• 1	*	.0	.0		.7	8.7	1.2	.0	.9	1.0	. 4	.0	. 3	. 9
E	. 1	1.5	. 8	.1	.0	.0		2.4	10.2	4.3	4.4	3.0	1.4	. 9	1.2	1.9	1.9
SE	.5	4.9	15.4	4.1	. 2	.0		25.1	15.6	29.2	17.1	30.4	18.3	19.9	11.6	27.6	25.2
S	. 8	7.7	34.8	12.2	.3	.0		55.7	16.7	53.3	57.0	51.6	56.7	58.5	68.6	56.3	57.5
SW	. 5	5.0	5.8	. 9	. 1	.0		12.2	12.5	9.4	15.4	10.3	20.2	16.1	15.1	10.4	7.5
W	. 1	1.2	• 1			.0		1.4	8.5	1.4	3.1	1.1	. 5	1.5	1.2	. 2	4.7
NW	. 2	.7	• 1	.1	.0	.0		1.0	8.4	.3	3.1	1.3	1.0	1.2	2.3	1.1	. 5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5
CALM	. 8				-			. 8	.0	. 4	.0	.4	1.0	1.1	.0	1.8	. 9
TOT DBS	43	299	778	237	8	0	1365		15.3	282	57	271	104	275	43	225	107
TOT PCT	3.2	21.9	57.0	17.4	.6	•0		100.0				100.0			100.0		

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT FREQ	MEAN	00	06 09	12 15	18 21
N NE	.4	.1	.0	.0	.0		:5	4:7	1.0	.8	.2	.2
E SE	1.7	10.6	12.2	.6	.0		25.1	10.2	27.1	2.5	18.8	27.1
S	3.3	21.5	28.4	2.4	. 1		55.7	16.7	53.9	53.0	59.9	56.7
S W	2.2	6.6	3.2	.2	.0		12.2	8.5	10.4	13.1	16.0	9.5
NW VAR	.5	.5	.1	.0	.0		1.0	8.4	.7	1.2	1.3	.9
CALM	. 8						.8	•0	.3	.0	.9	1.5
TOT PCT	10.3	42.1	44.2	3.2	.2	1365	100.0	15.3	100.0	100.0	100.0	100.0

-	_	_	_		•	

							FEBRUARY						
PERIOD: (PRIMARY) (OVER-ALL)	1923-196 1867-196						TABLE 4				AREA	25.55	
			PER	ENTAGE	FREQUE	NCY OF	WIND SP	EED BY	HOUR	(GMT)			
	HOUR	CALM	1-3	4-10		SPEED 22-33	(KNOTS) 34-47	48+	MEAN	PCT	TOTAL		
	00603 06609 12615 18621 TOT PCT	.3 .5 .9 1.5 11	2.7 2.7 2.8 1.2 32 2.3	25.4 19.7 20.1 22.6 299 21.9	56.6 58.7 55.2 57.2 778 57.0	14.5 17.6 20.7 16.9 237 17.4	.6 .8 .3 .6 .8	.0000	15.4	100.0 100.0 100.0 100.0	339 375 319 332 1365		

TABLE 5		
CLOUD AM	DUNT (EIGHTHS)	PERCEN

				MULE "								1.4						
p	CT FRE			CLOUD A		EIGHTHSI								G HEIS				
WED DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7 99 9	8000+	NH <5/8 ANY HGT	TOTAL
N	.3	.3	. 2	.0		3,5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	
NE	. 4	. 3	. 5	.0		3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
E	1.5	.3	.6	.0		2.4	.0	.0	.0	.0	.0	.0	. 2	. 2	.0	.0	2.1	
SE	11.4	4.6	7.6	2.5		3.5	.0	.0	. 1	. 9	3.3	1.6	1.5	. 5	. 1	. 2	18.0	
S	24.5	13.4	13.5	5.5		3.4	.0	.0	. 2	1.9	6.3	3.9	1.9	. 7	. 1	.0	41.9	
SW	4.2	2.1	3.1			3.6	.0	.0	. 2	.7	. 9	. 3	.3	. 3	.0	.0		
₩	. 2	.0	. 2	.0		3.3	.0	.0	.0	.0	.0	.0	. 1	. 19	.0	.0	. 4	
NW	. 2	. 2	.0	. 2		3.6	.0	.0	.0	.0	.0	. 2	.0		.0	.0		
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 7	.2	. 3	.0		2.5	.0	.0	.0	.0	.0	. 2	.0	• 0	.0	.0	1.0	
TOT DBS	264	130	158	55	607	3.4	.0	0	3	21	64	37	24	10	1	1	446	607
TOT PCT	43.5	21.4	26.0	9.1	100.0		.0	.0	. 5	3.5	10.5	6.1	4.0	1.6	. 2	. 2	73.5	100.0

TABLE 7 CUMULATIVE PCT FREQ UF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CEILING	= DR	• UR	= DR	= OR	■ DR	- DR	- OR	· DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR >6500	.2	.3	.3	.3	.3	.3	.3	.3
OR >5000	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0
OR >3500	5.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9
DR >2000	10.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
DR >1000	16.1	21.3	22.6	22.6	22.6	22.6	22.6	22.6
DR >600	18.9	24.5	26.0	26.0	26.0	26.0	26.0	26.0
DR >300	19.1	24.9	26.4	26.5	26.5	26.5	26.5	26.5
OR >150	19.1	24.9	26.4	26.5	26.5	26.5	26.5	26.5
DR > 0	19.1	24.9	26.4	26.5	26.5	26.5	26.5	26.5
TOTAL	116	151	160	161	161	161	161	161

TOTAL NUMBER OF OBS: 507 PCT FREO NH C5/81 73.5

TABLE 74

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 R OBSCO OBS 25.7 16.3 13.1 9.6 7.9 5.3 7.9 6.5 7.6 .0 643

-	0	0	LA	0	۸

							FEBR	UARY							
PERIOD: (PRIMARY) 19 (OVER-ALL) 19	923-1969 867-1969						TAB	LE B				ARE	A 0019	SHARK 5.55	
		PE	RCENT				CTION V						E OF		
VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL DBS		
<1/2	PCP NO PCP TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1/2<1	PCP NO PCP TOT %	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1<2	PCP ND PCP TDT %	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
2<5	PCP NO PCP TOT %	.0	.0	.0	.0	.1 1.3 1.4	.2	.0	.0	.0	.0	2.6			
5<10	PCP NO PCP TOT %	• 0 • 1 • 1	• a • 1 • 1	.1	5.2 6.2	9.3 9.3	1.7 1.7	.0	.2	.0	.0	18.9 19.0			
10+	PCP NO PCP TOT %	• 0 • 6 • 6	1.0 1.0	.1 2.1 2.3	.0 18.0 18.0	.1 45.7 45.9	8.0 8.0	.6	.0	.0	.0	76.9 77.2			
	TOT OBS	• 8	1.0	2.9	25.4	56.9	10.4	. 8	.8	.0	1.0	100.0	693		

							TABLE	9					
				PERCE	T FRES	OF W	ND DIR	ECTION S OF V	VS WI	ND SPE	ED		
VSBY (NM)	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
(MM)	0-3	.0	- 6			.0	.0	. 0	.0	.0	•	^	DBS
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	11-21	.0		.0	.0	.0	.0	.0	.0	.0		.0	
	22+		.0	.0	.0		.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0		.0	.0				
	101 %	.0	• 0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.1	.0	.0	.0	.0		. 1	
	11-21	.0	.0	.0	.0	. 3	. 1	.0	.0	.0		.4	
	22+	.0	.0	.0	.0	. 4	.0	.0	.0	.0		.4	
	TOT %	.0	.0	.0	.0	. 7	. 1	.0	.0	.0	.0	. 8	
	0-3	.0	.0	.0		*	.0	.0	.0	.0	.0	.1	
1<2	4-10	.0	.0	.0	.1	.7	.4	.1	.0	.0		1.2	
116	11-21	.0	.0	.0	.5	2.2	.7	.0	.0	.0		3.5	
	22+	.0	.0	.0	.2	2.7	. 4	.0	.0	.0		3.3	
	TOT %	.0	.0	.0	.8	5.6	1.6	. 1	.0	.0	.0	8.1	
	0-3							.0	.0	•			
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
265			• 0	.0	. 1	. 3						. 4	
	11-21	.0	.0	.0	.5	1.1	.3	.0	.0	.0		1.9	
	22+	.0	.0	.0	.0	2	.4	.0	.0	.0		.2	
	TUT *	.0	.0	.0	.5	1.6	. 4	.0	.0	.0	. 1	2.6	
	0-3	.0	.0	.0	.1	.3	.1		.1	.0	.4	1.1	
5<10	4-10	. 2	• 1	.7	1.2	1.8	. 8	. 4	. 4	.0		5.5	
	11-21	.0	.0	.3	4.1	9.4	1.9	.0	.0	.0		15.6	
	22+	.0	.0	.0	1.6	4.7	. 4	.0	.0	.0		6.7	
	TOT %	. 2	• 1	.9	7.0	16.1	3.1	. 4	.5	.0	.4	28.8	
	0-3	. 1	*	.1	.5	.5	.4	.0		.0	.2	1.9	
10+	4-10	. 2	. 5	1.0	3.1	5.3	3.5	. 4	. 3	.0	• •	14.3	
12.00	11-21	.0	.1	. 4	9.9	22.8	2.5	.1	. 1	.0		35.9	
	22+	.0	.0	.0	2.0	5.3	. 1	.0	. 1	.0		7.5	
	TOT %	.4	.6	1.5	15.5	34.0	6.6	.5	.5	.0	. 2	59.7	
,	OT ORS												1138
	DT PCT	.5	.7	2.4	23.9	58.0	11.8	1.0	1.0	.0	.7	100.0	1130

FEBRUARY

PERIOD:	(PRIMARY)	1923-1969
	(OVER-ALL)	1867-1969

TABLE 10

AREA 0019 SHARK BAY 25.55 111.65

PERCENT	FREQUENCY						>4/81	AND
	000.0	DEL	CE	DE N	U /5/8 0	V HOUR		

HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00803	.0	.0	.6	4.7	11.8	6.5	2.9	1.8	.0	.0	28.2	71.8	170
90360	.0	.0	.6	2.4	9.4	4.7	2.9	1.8	.6	.0	22.4	77.6	170
12615	.0	.0	•0	3.4	8.8	4.1	4.1	.7	.0	.7	21.6	78.4	148
18821	.0	.0	.7	2.9	10.7	8.6	5.7	2.1	.0	.0	30.7	69.3	140
TOT	.0	0.0	.5	21 3.3	64	37 5.9	24 3.8	10	.2	.2	161 25.6	467 74.4	628

			TA	BLE 1	1						TABLE	12		
		PERCENT	FREQUENCY	V VS8Y	(NM)	BY HOUR		CUMULAT					VSBY (NM)	AND/DR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
60300	.0	.7	8.5	2.6	27.5	60.8	306	00803	.0	.6	7.8	22.3	69.9	166
06609	.0	1.1	7.9	2.5	25.7	62.9	280	90330	.0	.6	4.3	19.5	76.1	163
12615	.0	.4	9.8	3.2	29.5	57.2	285	12615	.0	.0	6.9	16.5	76.6	145
18621	.0	1.1	6.2	2.2	32.6	58.0	276	18821	.0	.8	6.8	27.1	66.2	133
TOT	0	9	93 8.1	30	330		1147	TOT	0	3	39	129	439	607

-	A D	1 0	1	1

TABLE 14

	PERC	ENT FRE	ONENC	Y OF RE	LATIVE	HUMIC	ITY BY	TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DIE	ECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	. 2	.1	.0	.0	.0	.0	.0	3	.3	.0	. 1	.0	.2	.1	.0	.0	.0	.0	.0
H5/89	.0	.0	.0	.0		. 5	.0	.0	10	1.2	.1	.0	. 1	. 3	. 5	. 2	.0	.0	.0	. 0
80/84	.0	.0	.1	. ?	1.3	3.6	3.2	. 9	P1	9.4	.4	. 7	. 8	2.1	3.8	. 9	.1	. 4	.0	
75/79	.0	.0	.1	. 3	3.1	10.7	17.1	8.0	339	39.3	. 2	. 1	1.5	8.6	22.4	5.6	. 3	.1	.0	
70/74	.0		.0	. 2	4.6	14.4	19.4	9.2	412	47.8	.0	.0	. 1	11.1	30.5	4.7	. 6	. 6	.0	
65/69	.0	.0	.0	.0	.5	.7	.3	.5	17	2.0	.0	.0	.0	. 8	1.1	• 1	.0	.0	.0	.0
TOTAL	0	2	3	7	88	257	345	160	862	100.0										
PCT	.0	. 2	.3	. 8	10.2	29.8	40.0	18.6	-		.7	1.0	2.5	23.1	58.3	11.5	. 9	1.2	.0	. 9

TARLE 15

	MEANS,	EXTREM	S AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOU	R
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	94	86	82	75	70	68	66	75.2	337	60300	.0	1.3	10.5	33.1	37.7	17.6	81	239
90300	91	88	84	76	72	71	68	77.0	366	90300	.0	3.3	20.6	39.2	28.2	8.6	76	209
12815	94	85	82	74	70	69	67	74.9	318	12815	.0	. 5	6.5	22.7	49.5	20.8	83	216
18521	92	81	19	73	69	67	64	73.5	327	18821	.0	.5	3.9	23.7	43.5	28.5	84	207
TOT	94	87	82	75	70	68	64	75.2	1348	TOT	0	12	90	259	346	164	81	871

PERIOD: (PRIMARY) 1923-1969 (DVER-ALL) 1867-1969

TABLE 17

AREA 0019 SHARK BAY 25.55 111.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	65	59	73	77	81	85	89 92	>92	TOT	W	WD
TMP DIF	68	72	76	80	84	88	92			FOG	FOG
14/16	.0	.0	.0	.0	.0	.2	.0	.0	1 5 3 10	.0	. 2
11/13	.0	.0	.0	.0	. 2	. 3	.0	.3	5	.0	.2
9/10	.0	.0	.0	.0	. 2	. 3	.0	.0	3	.0	.5
7/8	.0	.0	.0	.0	. 9	. 3	.0	.0	10	. 2	1.6
6	.0	.0	. 3	1.0	.9	.2	.0	.0	11	.0	1.9
5	.0	.0	. 5	1.9	.7	.7	.0	.0	16	. 0	2.8
4	.0	. 2	.5	1.9	1.2	.2	.0	.0	23	.0	4.0
3	.0	.3	1.9	1.9	.7	. 2	.0	.0	29	.0	5.0
2	.0	.2	2.8	1.9	1.4	.3 .2 .7 .2 .2 .2 .2	.0	.0	46	.0	8.0
1	.0	.5	5.2	4.5	. 5	. 2	.0	.0	63	. 2	10.8
6 5 4 3 2 1 0 -1 -2 -3	.0	1.7	9.2	4.0	1.2	.0	.0	.0	95	. 3	16.2
-1	.0	3.1	9.9	3.3	. 3	.0	.0	.0	96	. 2	16.5
-2	. 2	4.2	6.6		. 5	.0	.0	.0	74	.0	12.9
-3	. 2	2.3	3.0	.9	.2	.0	.0	.0	38	.0	6.6
-4	.0	3.1	2.3	.5	. 2	.0	.0	.0	35	.0	6.1
-5	.0	1.2	1.7	.0	. 2	.0	.0	.0	10	.0	3.0
-6	.0	.3	. 2	.0	.0	.0	.0	.0	3	.0	.5
-7/-8	.2	.0	.9	1.4 .9 .5 .0	.0	.0	.0	.0	3 7 2	.0	1.2
-9/-10	.0	. 2	. 2	.0	.0	.0	.0	.0	2	.2	. 2
TOTAL	6		262		50		0			7	568
		100		139		16		2	575		
PCT	1.0	17.4	45.6	24.2	8.7	2.8	.0	.3	100.0	1.2	98.8

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 61-70 71-86 +9-67 +9-67 +9-67 1-3 48+ 11-21 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
23-25
26-32
33-40
41-48
49-60
61-70
71-86
89-70
71-86 1-3 PCT 1.4 3.3 4.9 4.0 1.5 .0 .0 .0 .0 .0 .0 .0 .0 11-21 1.9 3.9 4.9 1.5 1.0 .0 .0 .0 .0 .0 .0

								1	FEBRUARY							
PERIOD:	(DVE	R-ALL)	1963-1	969									AREA	0019 5		
								TABLE	18 (CONT)					25.5	55 111	.6E
				D.	T						Veneue					
				P.C	FREQ	DF WIND	SPEED	(KIS)	AND DIREC	ITUN	VEK202	SEA HEIG	HIS (FI)			
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	. 8	. 5	.0	.0	.0	.0	1.4		.9	.0	.0	.0	.0	.0	.9	
1-2	.0	4.2	1.2	.0	.0	.0	5.3		.0	2.9		.0	.0	.0	2.9	
3-4	.0	2.7	16.0	. 5	.0	.0	19.3		.0	.9		.0	.0	.0	3.0	
5-6	.0	. 5	16.4	3.1	.0	.0	20.0		.0	. 3	1.7	.0	.0	.0	2.0	
7	.0	.0	4.6	3.1	.3	.0	7.9		.0	.0	.1	.0	.0	.0	. 1	
8-9	.0	.0	2.1	3.2	.0	• 0	5.2		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.5	1.3	.0	.0	1.8		.0	.0		.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
23-25	• 0	.0	.0	.0	• 0	• 0	.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	• 0	.0		• 0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	• 0	.0		.0	.0		.0	.0	.0	.0	
01-70	.0	.0	.0	.0	• 0	.0	.0		• 0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	• 0	.0		• 0	.0		.0	.0	.0	.0	
TUT PCT	. 8	7.9	40.7	11.2	. 3	• 0	61.0		.9	4.1	4.0	.0	.0	.0	9.0	
												****				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0		• 1	.3		.0	.0	.0	. 4	
1-2	.0	.3	.0	.0	.0	.0	.3		.0	.3		.0	.0	.0	.3	
3-4	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	•0	.0		.0	.0		.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	•0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	.0	
TOT PCT	.0	.3	.0	.0	• 0	•0	. 3		• 1	.6	.0	.0	.0	.0	.7	98.1

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	5.2	2.5	. 3	.0	.0	.0	8.0	003
1-2	.3	12.0	3.1	.0	.0	.0	15.3	
3-4	.0	4.6	22.1	.6	.0	.0	27.3	
5-6	.0	. 9	23.6	4.0	.0	.0	28.5	
7	.0	.0	6.1	5.5	. 3	.0	12.0	
8-9	.0	.0	3.1	3.4	.3	.0	6.7	
10-11	.0	.0	.6	1.5		.0	2.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								326
TOT PCT	5.5	19.9	58.9	15.0	.6	.0	100.0	

PERIOD	: (DV	ER-ALL)	194	9-1969					TABLE	19											
					MERCEN	FRE	DUENCY	OF WA	VE HEI	GHT (F	T) VS	WAVE P	FRIDO	(SECON	151						
(SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.4	3.5	5.9	3.7	2.9	.2	. 4	.0	.0	.2		.0	.0	.0	.0	.0	.0	.0	.0	8.8	4
6-7	.0	.0	5.7	8.5	7.3	2.3	2.1	1.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	138	6
8-9	.0	. 2	1.0	5.2	6.7	5.8	5.2	2.3	. 8	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	133	8
10-11	.0	.0	. 6	1.7	1.5	4.4	2.5	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53	8
12-13	.0	.0	.4	.2	. 4	1.2	1.0	. 2	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	8
>13	.0	.0	.0	. 2	.6	1.0	. 4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	8
INDET	. 8	.0	2.3	1.7	. 8	1.2	. 2	. 2	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	5
TOTAL	6	18	86	102	97	78	57	23	11	3	0	0	0	0	0	0	0	0	0	481	6
PCT	1.2	3.7	17.9	21.2	20.2	16.2	11.9	4.8	2.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1922-1969 (OVER-ALL) 1855-1969

TABLE 1

AREA 0019 SHARK BAY 25.55 111.6E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	.0	13.8	9.6	.0	.0	.0	.0	13.8	.0	.0	.0	.0	.0		86.2
E Sé	.0	.0	9.3	.0	.0	.0	.0	9.3	.0	.0	.0	.0	5.6		90.7
S	.6	.0	.2	.0	.0	.0	.0	.6	.0	.6	.2	.0	7.3	.0	91.2
S W N W	.0	3.3	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	96.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
CALM	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0		.0	5.8		92.2
TOT PCT TOT DBS:	760	.4	.7	•0	•0	•0	.0	1.4	•0	.4	.1	.0	3,0	.0	,,,,,

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

						LICENT	FILEGOL				-				
			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	.4 .0 1.0	.9	.9 .0 .5	.0	•0	.0	.0	2.2 .0 2.0 1.8	.0	.0 1.0	.0	.0	5.6 6.1 7.3 3.7	.0	91.8 93.9 89.8 93.9
TOT PCT TOT OBS:	764	.4	.7	.0	•0	.0	.0	1.6	.0	.4	•1	.0	5.8	.0	92.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

					70	11001110											
				ED (KN										(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.1	. 3	.3	.0	.0	.0		. 8	9.2	.5	.7	. 2	. 9	1.3	1.4	. 8	1.1
NE	.6	.4	. 5		.0			1.6	7.4	2.6	4.8	1.1	1.8	. 9	1.4	. 9	1.5
=	.8	2.0	1.3		.1	.0		4.2	9.9	5.9	6.3	4.8	4.0	2.9	2.9	2.7	5.0
SE	.4	4.8	14.7	6.3	.7	. 1.0		26.9	17.1	28.1	19.5	27.3	25.0	22.4	17.1	32.7	32.3
3.			31.4		. 7			51.7	15.4	50.2	48.9	50.9	48.5	56.2	55.7	51.9	47.7
5	.7							10.3	12.1	7.9	9.6	11.4	16.4	11.4	10.0		9.5
SW	. 3	4.7	4.6			.0						2.0	2.7	3.2	10.0		2.5
W	. 3	1.6			.0	.0		2.7	9.4	1.6	4.8						
NW	.5	.7	. 3	.0	.0	0		1.4	6.9	2.3	5.5	1.6	. 9	1.2			. 2
VAR	.0	.0	.0	.0	.0	.1.0		.0	.0	• 0	.0	.0	.0	.0	.0	.0	. 0
CALM	.5							.5	.0	1.0	.0	. 7	.0	.5	.0	.0	
TOT DBS	51	365	782	222	22	0	1452		14.8	299	68	277	113	317	35	233	110
TOT PCT	4.2	25.1	53.0			• 0	1472	100.0		100.0	100.0	100.0		100.0	100.0	100.0	100.0

TABLE 3A

						-						
WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT	MEAN SPD	00	06 09	12 15	18
N	. 4	.3	.1	.0	.0		.8	9.2	.5	.4	1.3	.9
NE	. 9	. 4	. 2	.0	.0		1.6	7.4	3.0	1.3	. 9	1.1
E	1.7	1.6	.7	. 1	.0		4.2	9.9	5.9	4.6	2.9	3.4
SE	1.5	11.1	11.6	2.5	. 1		26.9	17.1	26.5	26.7	21.9	32.6
	3.5	27.2	18.5	2.4	.0		51.7	15.4	49.9	50.2	56.1	50.6
SW	1.9	5.5	2.8	.1	.0		10,3	12.1	8.2	12.8	11.2	8.5
W	.7	1.7	.3	.0	.0		2.7	9.4	2.2	2.2	3.8	2.8
NW	.7	1.7		.0	.0		1.4	6.9	2.9	1.4	1.2	.1
VAR			.0	.0	.0		.0	.0	.0	.0	.0	.0
	• 0	• 0	.0	.0			,5		. 8	.5	.6	.0
CALM	. 5					1452	. 2	14.8	367	390	352	343
TOT OBS	173	705	498	75	1	1432		14.0				
TOT PCT	11.9	48.6	34.3	5.2	. 1		100.0		100.0	100.0	100.0	100.0

	-	н	

PERIOD: (PRIMARY) 1922-1969 (OVER-ALL) 1855-1969

TABLE 4

AREA 0019 SHARK BAY 25.55 111.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21		KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL
00603	. 8	5.7	26.2	55.0	10.4	1.9	.0	14.0	100.0	367
90300	. 5	3.1	26.2	55.4	14.1	. 8			100.0	390
12615	.6	4.0	25.9	51.7	16.5	1.4			100.0	352
18821	.0	2.0	22.2	53.1	20.7	2.0			100.0	343
TOT	7	54	365	782	222	22		14.8		1452
PCT	.5	3.7	25.1	53.9	15.3	1.5	.0		100-0	1132

F	CT FRE			CLOUD A		(EIGHTHS)		,	PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	B BY	HTS (FT,NH :	>4/8) JN	
WAD DIR	0-2	3-4	5-7	8 & 0850n	THTAL	CLOUD	000	150 299	300 5 99	600 999	1000	2000 3499	3500 4999	5000	6500 7999		NH <5/8 ANY HGT	
N	.0	.0	.6	. 5		6.9	.0	.0	.0	.0	.3	.0	.1	.0	.0	2		
NE	. 4	.0	. 2	. 2		4.0	.0	.0	. 0	.0		. 2	.0	.0	.0		.6	
ε	1.3	.4	. 7	.1		3.0	.0	.0	.0	. 1	.0		.0	.0			. 6	
SE	12.1	3.9	5.5	1.7		2.9	.0	.0	.0	. 1	.8	2.0	1.1	. 8	. 2	. 2	1.8	
S	33.0	11.7	10.5	2.4		2.6	.0	.0	. 2	. 5	3.6		-		.0	. 1	18.4	
SW	5.4	2.4	2.6	. 2		2.7	.0	.0	.0	.0		4.3	• !	• 1	. 2	. 2	47.9	
M	1.0	. 3	. 7			3.2					. 8	. 7	. 4	• 0	.0	. 2	8.6	
NW	. 8	.0	.4	. 3		3.2	.0	.0	.0	.0	. 3	.0	.0	.0	.0	. 1	1.7	
VAR	.0	.0	.0				.0	.0	.0	. 2	. 2	.0	*	.0	.0		. 9	
CALM						.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT DBS	288	.0	.?	.0		3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 4	
TUT PCT		100	114	30	532	2.8	0	0	1	5	32	39	13	5	2	5	430	532
TUT PCT	54.1	18.8	21.4	5.5	100.0		.0	• 0	.2	. 9	6.0	7.3	2.4	. 9	. 4	. 9	80.8	100.0

TABLE 7

C			FREQ OF					1CE
	OF CEI	LING HE	EIGHT (N	H >4/8) AND	VSBY	(NM)	
			VSE	Y (NM)				
· DR	= 0	R =	DR .	DR	= OR		OR	

				VSBY (NE	1)			
CEILING	· DR	# OR	= DR	= DR	= OR	= OR	- OR	- DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ OR >6500	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3
■ DR >5000	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3
■ DR >3500	4.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7
■ DR >2000	10.3	11.8	12.0	12.0	12.0	12.0	12.0	12.0
■ DR >1000	16.1	17.8	18.0	18.0	18.0	18.0	18.0	18.0
■ DR >600	16.7	18.8	18.9	18.9	18.9	18.9	18.9	18.9
■ DR >300	16.7	18.8	19.1	19.1	19.1	19.1	19.1	19.1
■ DR >150	10.7	18.8	19.1	19.1	19.1	19.1	19.1	19.1
- DR > 0	16.7	18.8	19.1	19.1	19.1	19.1	19.1	19.1
TOTAL	89	100	102	102	102	102	102	102

TOTAL NUMBER OF OBS: 533 PCT FREQ NH <5/81 80.9

TABLE 7A

PERCENTAGE FREE OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 27.1 20.7 12.7 11.6 8.2 5.4 5.2 4.3 4.8 .0 560

e	0	0	6	

							м	AKCH							
PERIOD: (PRIMARY) (DVER-ALL)	1922-1969 1855-1969						TA	BLE 8				ARE		SHARK B 5.55 11	
		Р	ERCENT	PREC	IF WIN	D DIRE	CTION TH VAR	VS DCC YING V	URRENC ALUES	E OR N	IBILIT	URRENC	E DF		
VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL		
	PCP	.0	.0	.1	.0	. 1	.0	.0	.0	.0	.0	.3			
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	TOT %	• 0	.0	. 1	.0	. 1	.0	.0	.0	.0	.0	. 3			
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1/2<	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	TOT %	• 0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0			
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1<2	NO PCP	.0	.0	.0	.3	. 2	.0	.0	.0	.0	.0	. 5			
	TOT %	.0	• 0	.0	. 3	. 2	.0	.0	.0	.0	.0	. 5			
	PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	. 1			
2<5	NO PCP	. 1	.0	.0	.4	1.2	. 1	.0	*	.0	.0	1.8			
	101 %	• 1	.0	.0	. 5	1.2	. 1	.0	•	.0	.0	2.0			
	PCP	.0		. 2	.2	.0	.0	.0	.0	.0	.0	.4			
5<10	NO PCP	• 1	. 2	.7	4.6	5.8	. 9	. 1	. 3	.0	.0	12.6			
	TOT %	• 1	.2	. 9	4.8	5.8	. 9	. 1	. 3	.0	.0	13.0			
	PCP	. 1	. 1	.0	.0	. 2	. 1	. 1	.0	.0	.0	.7			
10+	NO PCP	. 6	1.4	2.6	18.1	48.3	7.9	2.8	1.6	.0	. 3	83.5			
	TOT *	. 7	1.5		18 1	48 5	8.0	2.9	1.6	- 0	2	84 2			

TUT DBS ...
TUT PCT 1:0 1:7 3.6 23.8 55.8 9.0 3.0 1:9 .0 .3 100,0

TABLE 9

SBY	SPD	N	NE	5	SE	5	SW	W	NW	VAR	CALM	PCT	TOTA
NM)	KTS					.0	^	.0	.0	•			DBS
1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2							.0	.0	.0	.0		.0	
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.2	
	101 *	.0	• •	• • •	.0	••							
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	. 1	.0	.0	.0	.0		. 1	
	22+	.0	.0	.0	. 1	. 3	*	.0	.0	.0		. 4	
	TOT %	.0	• 0	.0	. 1	. 4	*	.0	.0	.0	.0	. 5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	. 1	.0	.0	. 3	*	.0	.0	.0		.4	
	11-21	.0	. 1	.0	. 4	1.5	. 1	.0	.0	.0		2.0	
	22+	.0	.0	.0	. 2	. 9	. 1	.0	.0	.0		1.2	
	TOT %	.0	• 2	.0	.5	2.6	.3	.0	.0	.0	.0	3.6	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	. 1	.0	. 1	. 3	.3	. 1	.0		.0	* = .	. 8	
-	11-21	.0	.0	.0	.0	. 5	.0	.0	.0	.0		. 5	
	22+	.0	.0	.0	. 1	. 3	.0	.0	.0	.0		. 4	
	TOT %	. 1	.0	. 1	.3	1.1	. 1	.0	•	.0	.0	1.7	
	0-3	.1	.1	.2		. 1		. 1	.1	.0	. 1	.8	
5<10	4-10	.1	.1	.9	1.3	2.3	1.2	.3	. 2	.0	• • •	6.3	
	11-21	. 1	. 3	.3	5.0	7.0	1.5	.3	. 1	.0		14.5	
	22+	.0	.0		3.2	2.3	. 1	.0	.0	.0		5.7	
	TOT %	. 3	. 5	1.4	9.5	11.7	2.8	.6	. 4	.0	. 1	27.3	
	0-3	.0	.7	.3	. 1	.6	.3	. 3	.4	.0	. 2	2.8	
10+	4-10	. 2	. 3	1.0	3.2	8.1	3.4	1.0	.5	.0		17.7	
	11-21	. 3	. 2	1.0	9.8	24.5	2.6	.6	. 2	.0		39.3	
	22+	.0	.0	.0	2.9	3.8	.3	.0	.0	.0		6.9	
	TOT %	. 5	1.1	2.3	16.1	37.0	6.5	1.9	1.2	.0	. 2	66.8	

MARCH

PERIOD:	(PRIMARY)	1922-1969			
	(DVER-ALL)	1855-1969			TABLE 10
			PERCENT	FREQUENCY O	F CEILING HEIG
				DCCURR	ENCE OF NH <5/

00603

06609

12615

18821

TOT

.0

.0

.6

. 4

2.5

3.6

.7

32.6

21 332 1.7 27.5

63.8

802 1207 66.4 100.0

AREA 0019 SHARK BAY 25.55 111.6E

78.4

430 533 80.7 100.0

139

19.4

95 17.8

			PER	CENT F				NH <5/			>4/6) A	IND		
HOUR (GMT)	000	150 299	300 599	600	1000	2000	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00803	.0	.0	.0	1.5	6.6	11.8	3.7	1.5	.0	1.5	26.5	73.5	136	
06609	.0	.0	•0	.7	3.7	6.7	2.2	2.2	.7	.7	17.0	83.0	135	
12815	.0	.0	.8	.0	4.5	3.0	.8	.0	.0	. 8	9.8	90.2	132	
18621	.0	.0	•0	1.3	8.1	6.7	2.7	.0	.7	.7	20.1	79.9	149	
TOT	.0	.0	.2	5	32 5.8	39 7.1	13	.9	.4	.9	102	450 81.5	552 100.0	

TAULE 11 TABLE 12 CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR PERCENT FREQUENCY VSBY (NM) BY HOUR <600 <1000 <1 <5 (GMT) 00803 1.2 19.1 330 25.4 73.1 134 73.6 .0 1.5 2.8 1.1 32.0 281 06609 82.4 131 63.7 .0 .0 . 8 16.8 12615 3.8 3.8 27.8 . 8 89.1 129 63.8 320 .0 1.6 9.3

18821

PCT

.0

.0 2.2

1 8 .2 1.5

TABLE 13 TABLE 14 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP PERCENT FREQUENCY OF WIND DIRECTION BY TEMP TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 .0 .0 3.4 2.2 13.3 14.4 12.9 17.7 2.1 1.1 .2 1.3 .0 .0 275 313 32.2 36.7 .0 .7 6.6 7.1 1.3 .5 .1 139 16.3 .0 .2 1.5 9.4 13.1 1.1 .2 .1 4.9 20.6 24.3 1.7 9.0 38.3 44.5 5.3 2.0 90/94 85/89 80/84 75/79 70/74 65/69 60/64 55/59 TOTAL PCT .0 .1 .0 .0 .0 .0 .0 .2 .2 .0 .2 .1 .7 .4 .2 .0 .0 .14 .0 .2 2.5 3.3 6.3 .6 .0 .0 .0 .1 1.3 4.1 4.0 .7 1 6 77 327 380 45 .0 .3 .6 .2 .2 .4 .0 .0 .2 1.6 1.2 .5 .0.0.0.0.0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .1 .1 .0 .2 .2 .0 .0 .0 .0 .3 1.1 .9 .8 .4 854 100.0 1.6 3.7 25.4 52.5 10.5 . 2 3.5

276

TARLE 15 TABLE 16 MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR TOTAL OBS 358 366 343 335 1402 95% 5% TOTAL 085 236 191 229 205 861 MAX 50% 1% MIN MEAN 0-29 30-59 60-69 70-79 80-89 90-100 MEAN 81 83 82 78 82 75 76 74 73 74 61 69 62 67 63 59 69 61 66 59 74.5 76.5 74.6 73.2 74.8 85 86 84 82 85 12.3 20.9 9.2 10.2 33.5 38.7 29.3 28.3 278 17.4 8.4 17.5 21.5 141 91 88 87 83 91 .0 2.5 3.7 .4 1.0 80 76 81 81

PERIOD: (PRIMARY) 1922-1969 (OVER-ALL) 1855-1969

TABLE 17

AREA 0019 SHARK BAY 25.55 111.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

			11-36		- Citaria						
AIR-SEA	61	65	69	73	77	81	85	89	TOT	W	WD
TMP DIF	64	58	72	76	80	84	88	92		FOG	FOG
14/16	.0	.0	.0	.0	.5	.0	.0	.2	4	.0	.7
11/13	.0	.0	.0	.0	. 2	.0	.0	.0	1	.0	. 2
9/10	.0	.0	.0	. 0	.0	.0	. 2	.0	1	.0	.2
7/8	.0	.0	.0	1.4	. 2	. 2	. 9	.0	15	.0	2.6
6	.0	.0	. 2	.3	.0	.0	. 3	.0	9	.0	1.6
5	.0	.0	. 2	.2	1.0	1.0	. 3	.0	1 1 15 9 16 21	.0	2.8
4	.0	.0	.0	. 7	. 7	1.6	. 7	.0	21	.0	3.6
6 5 4 3 2 1 0 -1 -2 -3 -4	00000000000	.0	.0	1.4 .3 .2 .7 1.2	2.1	. 7	.2 .9 .3 .7 .0 .2 .0 .0 .0 .0 .0	.0	25	.0	6.4
2	.0	.0	1.0	2.2	2.1	.9	. 2	.0	37	.0	6.4
1	.0	.0	. 9	6.4	4.3	. 9	.0	.0	72	.0	12.5
0	.0	.0	2.2	8.0	5.4	. 5	.0	.0	72 93	. 2	12.5
-1	.0	.0	1.6	9.2	3.1	.7	.0	.0	85	.0	14.7
-2	.0	.0	2.8	6.1	1.9	.3	.0	.0	64	.0	11.1
-3	.0	.3	3.5	5.2	1.0	.2	.0	.0	59	.0	10.2
-4	.0	.0	2.4	2.4	.5	.0	.0	.0	31	.0	5.4
-5	.0	.0	2.8	1.2	. 3	.0	.0	.0	25	.0	4.3
-6	. 2	. 2	. 3	.9	.0	.0	.0	.0	10	.0	1.6
-7/-8	.0	.2	.5	. 9	. 2	.0	.0	.0	10	.0	1.7 .2 577
-11/-13	.0	.0	. 2	.0	.0	.0	.0	.0	1	.0	. 2
TOTAL	1		109		136		15			1	577
		.9		267		44		1	578		
PCT	. 2	.9	18.9	46.2	23.5	7.6	2.6	.2	100.0	. 2	99.8

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 34-47 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 22-33 1-3 4-10 48+ 1-3 4-10 HGT <1 1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 22 23-25 26-32 33-40 61-70 71-86 87+ TOT PCT 22-33 1-33 48+

									MAR	СН							
PERIOD:	(DAE	R-ALL)	1963-1	969				TABLE	18 (CONTI				AREA		55 111	
																23 111	.02
				PC	T FREO	DF WIND	SPEED	(KTS)	AND I	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
				5									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	. 3	1.2	.0	.0	.0	.0	1.5			.0	.4		.0	.0	.0	.4	
1-2	.0	4.8	3.3	.0	.0	.0	8.1			.0	3.1		.0	.0	.0	4.2	
3-4	.0	4.2	16.5	. 2	.0	.0	21.0			.0	2.3		.0	.0	.0	3.4	
5-6	.0	1.2	11.4	2.1	• 0	.0	14.7			.0	.0		.0	.0	.0	. 8	
7	.0	.0	4.8	1.5	.0	.0	6.4			.0	.0			.0	.0	1.0	
8-9	.0	.0	1.7	1.0	.0	.0	2.7			.0	.0		.0	.0	.0	.0	
10-11	.0	.0	1.0	.6	.0	.0	1.5			.0	.0			.0	.0	.0	
12	.0	.0	. 2	1.1	.0	.0	1.4			.0	.0			.0	.0	.0	
13-16	.0	.0	.0	. 2	.0	.0	. 2			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	• 0	.0			.0				.0	.0	.0	
20-22	.0	.0	.0	.0	.0	• 0	.0			.0	.0			.0	.0	.3	
23-25	.0	.0	.0	.0	.0	.0	.0			• 0	.0			.0	.0	.0	
26-32 33-40	.0	.0	.0	.0	•0	•0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	•0	.0	.0			.0				.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0				.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.3	11.5	38.9	6.8	.0	.0	57.6			.0	5.8	4.2	.1	.0	.0	10.1	
101 -01	• •	11.5	20.7	0.0		••	37.0			• •		***	•			10.1	
				W									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
1-2	.0	.9	.7	.0	.0	.0	1.5			.0	. 7			.0	.0	.7	
3-4	.0	. 2	.7	.0	.0	.0	.9			. 3	. 0			.0	.0	. 3	
5-6	.0	.0	. 2	.0	• 0	.0	. 2			.0	.0			.0	.0	. 7	
7	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
8-9	* 0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
13-16	.0	.0	.3	.0	•0	.0	.0			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0		.0			.0				.0	.0	.0	
23-25	.0	.0	.0	.0	.0	10	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0				.0	.0	.0	
33-40	.0	.0	.0	.0	•0	.0	.0			.0				.0	.0	.0	
41-48	.0	.0	.0	.0	•0	.0	.0			.0				.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0				.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TET PCT	.0	1.1	1.9	.0	.0	.0	3.0			.3	. 7			.0	.0	1.7	99.3
	, ,					• •	3.0					180		••			,,,

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.3	1.6	.0	.0	.0	.0	2.9	000
1-2		12.1	7.2	.0	.0	.0	19.2	
3-4	. 3	8.1	23.8	.7	.0	.0	32.9	
5-6	.0	1.3	19.5	3.3	.0	.0	24.1	
7	.0	.0	6.8	3.6	.0	.0	10.4	
8-9	.0	.0	2.0	1.0	.0	.0	2.9	
10-11	.0	.0	1.0	2.6	. 3	.0	3.9	
12	.0	.0	. 3	1.3	.0	.0	1.6	
13-16	.0	.0	. 3	1.3	.0	.0	1.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.3	.0	.0	.0	.3	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
							15.15	307
TOT PCT	1.6	23.1	61.2	13.7	.3	.0	100.0	

PERIOD	: (DV	ER-ALL	1 194	9~196	9				TABLE	19											
					PERCENT	FRE	QUENCY	DF WA	VE HEI	GHT (F	T) VS	WAVE P	ERIOD	(SECON	051						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
6-7	.2	3.4	8.0	5.3	1.8	1.6	1.8	.5	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	93	6
8-9	.0	.2	.7	3.0	7.6	2.1	2.7	2.1	1.1	.0		.0	.0	.0	.0	.0	.0	.0	.0	97	8
12-13	.0	.0	.5	.7	1.1	.5	.9	1.1	1.8	.0	. 2	.2	.0	.0	.0	.0	.0	.0	.0	31	10
INDET	. 7.	21	74	1.8	1.6	.9	1.1	20		.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	437	6
PCT	.5	4.8	16.9	25.6	23.6	11.4	8.5	4.6	3.4	.0	. 2	. 5	.0	.0	.0	.0	.0	.0	.0	100.5	

PERIOD: (PRIMARY) 1917-1969 (DVER-ALL) 1859-1969

TABLE 1

AREA 0019 SHARK BAY 25.55 111.5E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAJL	PCPN AT DB TIME	PCPN PAST	THDR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N	6.7	.0	13.3	.0	•0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
NE	4.5	.0	.0	.0	.0	.0	.0	4.5	4.5	.0	.0	.0	.0	.0	91.0
E	3.5	.0	2.0	.0	.0	.0	.0	5.5	.0	1.0	.0	.0	1.5	.0	92.0
SE	. 8	.0	.4	.0	.0	.0	.0	1.2	.4	. 9	.4	.0	. 8	.0	96.3
S	.4	.7	.0	.0	.0	.0	.0	1.1	.4	. 3	.0	.0	1.1	.0	97.1
Sw	. 6	2.9	.0	.0	.0	.0	.0	3.5	1.2	. 3	.0	.0	.0	.0	95.0
W	1.5	1.5	.0	.0	.0	.0	.0	2.9	2.2	.0	.0	.0	.0	.0	94.9
NW	2.4	.0	.0	.0	• 0	.0	.0	2.4	6.1	.0	.0	.0	.0	.0	91.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	• 0	.0	.0	.0	.0	5.0	.0	.0	5.0	.0	90.0
TOT PCT TOT OBS:	1.0	.6	.4	•0	•0	.0	.0	2.1	.8	.6	•1	.0	.9	.0	95.5

TABLE 2

DEDCENT	FRESUENCY	OF	MEATHED	DECLIDATION	nv	HOUR

			P	RECIPI	TATIO	N TYPE					OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW		
00603 06609 12615 18621	.4 .5 1.9	1.0	.4	.0	.0	.0	.0	1.3 2.1 2.3 3.1	.9 .5 .9	.4 .0 .9	.0	.0	.9 1.5 .5	.0	96.4 95.4 95.3 94.4	
TOT PCT	1.1	.6	.4	.0	•0	.0	.0	2.1	.8	.6	.1	.0	.9	.0	95.5	

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WII	VO SPE	ED CKN	GTS1								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	DRS	FREQ	SPD	00	03	06	09	12	15	18	21
N	. 2	.4	.5	.0	.0	.0		1.1	9.2	1.2	2.9	2.1	.0	. 5	.0	1.4	.7
NE	. 1	1.4	.6	.2	.0	.0		2.2	10.3	3.0	4.3	2.2	.0	1.2	2.2	1.7	4.5
E	.6	2.7	2.8	.5	.0	.0		6.5	11.7	7.5	11.4	9.3	4.6	4.5	4.3	3.7	7.8
SE	. 9	10.3	17.9	6.1	. 2	.0		35.3	14.5	41.1	24.6	35.0	34.0	31.4	23.9	36.9	39.5
S	1.5	11.4	17.9	4.1		.0		35.0	13.3	29.0		30.0				35.5	31.0
SW	.4	5.3	5.1	. 4	.0	.0		11.1	10.7	10.0		10.9	11.1	15.4	8.2	9.6	9.5
W	. 5	1.8	1.7	. 2	.0	.0		4.2	10.6	3.6	4.3	6.2	5.7	3.9	1.1	3.4	3.5
NW	.2	1.7	1.2	.0		.0		3.0	9.6	2.3	4.3	3.7	2.7	2.9	.0	3.8	2.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0
CALM	1.5	-						1.5	.0	2.3	.0	.7	. 8	. 8	.0	4.2	. 7
TOT DBS	99	575	783	187	4	0	1648		12.8	341	70	304	131	365	46	238	153
TOT PCT	6.0	34.9		11.3	. 2	.0		100.0			100.0						100.0

WND DIR			SPEED			TUTAL	РСТ	MEAN	••	House		
WND DIK	0-6	7-16	17-27	28-40	41+	UBS	FREQ	SPO	00	06	12	18
N NE	.4	.6	. 1	.0	.0		1.1	9.2	1.5	1.4	5	1.1
E	1.7	2.9	1.8	.1	.0		6.5	10.3	8.2	7.9	4.6	5.3
SE	4.9	16.4	12.1	1.9	.0		35.3	14.5	38.3	34.7	30.5	37.9
S	3.1	17.5	10.6	1.0	.0		35.0	13.3	9.5	33.4	41.6	33.8
W	1.5	1.7	1.5	.1	.0		4.2	10.6	3.7	6.0	3.6	3.5
	. 8	2.0	. 3	.0	.0		3.0	9.6	2.7	3.4	2.6	3.3
CALM	1.5	• 0	.0	.0	.0		1.5	•0	1.9	.0	.0	2.8
TOT DAS	339	803	450	56	0	1648		12.8	411	435	411	391
TOT PCT	20.6	48.7	27.3	3.4	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1917-1969 (OVER-ALL) 1859-1969

TABLE 4

AREA 0019 SHARK BAY 25.55 111.5E

PERCENTAGE PREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	#IND 11-21	2	34-47	48+	MEAN	PCT	DES
00603	1.9	5.1	36.3	46.5	10.0	.2	.0	12.3	100.0	411
90300	.7	4.6	38.9	45.5	10.3	.0	.0	12.5	100.0	435
12615	.7	5.4	34.8	46.7	12.4	.0	.0	12.9	100.0	411
18621	2.8	2.8	29.2	51.7	12.8	.8	.0	13.6	100.0	391
TOT	25	74	575	783	187	4	0	12.8		1648
PCT	1.5	4.5	34.9	47.5	11.3	.2	.0		100.0	

F	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION						PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/6) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION											
WND DIP	0-2	3-4	5-7	8 & 08500	TOTAL DBS	CLOUD COVER	000	150	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH C5/R ANY HGT	
N	. 2	.1	. 8	.2		5.5	.0	.0	.0	.0	. 1	.1	.0	.0	.0	. 2	.8	
NE	1.7	. 6	. 2	.4		2.6	.0	.0	.0	.0	.0		.2	.0	.0	.0	2.8	
E	1.3	. 5	1.3	1.9		5.1	.0	.0	.0	. 4	. 9	.5	. 1	.0	.0	. 3	2.7	
SE	16.0	5.3	10.0	2.9		3.3	.0	.0	. 2	1.0	2.8	2.1	. 8	1.0	.0	. 2	25.9	
S	14.8	8.1	8.9	1.9		3.2	.0	.0	. 2	. 8	2.9	1.9	. 5	. 2	.2	. 5	26.7	
SW	3.5	5.3	3.2	. 5		3.6	.0	.0	.0	. 4	.6	. 9	. 3	. 3	.0	. 1	10.0	
	1.4	1.6	1.7	. 3		4.0	.0	.0	.0	.0	. 2	.4	.0	.0	.0	.0	4.4	
NW	. 4	. 9	. 9	. 1		4.3	.0	.0	.0	.0	. 2	. 2	.0	.0	.0	.0	1.9	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
LALM	1.7	.7	.6	. ?		2.9	.0	.0	.0	. 2	.0	. 2	.0	.0	. 4	.0	2.4	
TOT OBS	221	125	149	44	540	3.5	0	0	2	15	42	34	10	8	3	7	419	540
TUT PCT	40.9	23.3	27.6	8.1	100.0		.0	.0	.4	2.8	7.8	6.3	1.9	1.5	.6	1.3	77.6	100.0

CUMULATIVE PCT FREQ	OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT	(NH >4/8) AND VSBY (NM)

					VSBY (NM	1)			
C	FILING	- DR	• OR	• DR	= DR	- DR	- DR	- DR	- DR
	FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
OR	>5000	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
OR	>3500	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
OR	>2000	10.7	11.2	11.2	11.2	11.2	11.2	11.2	11.2
DR	>1000	17.9	18.6	18.8	18.8	18.8	18.8	18.8	18.8
	>600	19.9	21.5	21.7	21.7	21.7	21.7	21.7	21.7
	>300	20.3	21.9	22.1	22.1	22.1	22.1	22.1	22.1
OR	>150	20.3	21.9	22.1	22.1	22.1	22.1	22.1	22.1
	> 0	20.3	21.9	22.1	22.1	22.1	22.1	22.1	22.1
	TOTAL	112	121	122	122	122	122	122	122
TO	TAL NUMB	ER OF DE	S: 55	3	P	CT FREQ	NH <5/81	77.9)

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (FIGHTHS)

7 1 2 3 4 5 6 7 8 DBSCD DBS 22.9 18.1 14.5 13.2 8.6 5.8 6.4 5.1 5.4 .0 607

٨	0	D	1	1

PERIOD: (PRIMARY) 1917-1969		AREA DOIS SHARK BAY
MENTOU: (MKIMAKI) 1917-1909		AREA UUIY SHARK BAT
(DVER-ALL) 1859-1969	TARLE 8	25.55 111.5F

		PI	ERCENT	PREC	OF WIN	D DIRE	CHION TH VAR	VS DCC	ALUES	F VI	NON-OC	CURRENC	E OF
VSBY (NM)		N	NE	E	SF	5	Sw	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT \$.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	. 1	.0	.0	.0	.0	.0	.0	.1	
	TOT \$	• 0	.0	.0	. 1	.0	.0	.0	.0	.0	.0	.1	
	PCP	.0	.0	.1		.0	.0	.0	.0	.0	.0	. 1	
2<5	NO PCP	.0	.0	.0	. 3	. 4	. 1	.0	.0	.0	.0	. 8	
	TOT %	.0	.0	.1	. 3	. 4	• 1	.0	.0	.0	.0	.9	
	PCP	• 1	• 1	.0	. 1	. 3	.2	. 1	. 1	.0	.0	.9	
5<10	NO PCP	• 1	. 4	.7	5.4	4.0	.7	. 5	. 4	.0	.3	12.5	
	TOT %	• 2	.5	.7	5.5	4.3	.9	.5	.5	.0	.3	13.4	
	PCP	• 1	.0	.3	. 3	. 1	.2	.1	.0	.0	.0	1.0	
10+	NO PCP	. 7	2.3	5.3	28.7	29.7	9.7	3.8	2.1	.0	2.3	84.6	
	TOT %	• 8	2.3	5.6	28.9	29.8	9.9	3.9	2.1	• 0	2.3	85.6	
	TOT OBS												779
	TOT PCT	1.0	2.9	6.4	34.9	34.4	10.9	4.4	2.6	.0	2.6	100.0	

TABLE 9

				PERCEN	T FREQ	ARY ING	ND DIR	ECTION S OF V	VS WI	ND SPE	ED		
VSBY	SPD	N	NE	E	SE	s	SW	*	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.1	.0	.0	. 1	. 1	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 1	.0	.0	. 1	. 1	.0	.0	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	*	.0	.0	. 1	. 2	.0	.0	•	.0		. 3	
	11-21	.0	.0	.0	. 3	. 2	. 1	.0	.0	.0		.6	
	22+	.0	.0	.0	.0	. 2	. 1	.0	.0	.0		. 2	
	TOT %		.0	.0	.4	.6	.2	.0	•	.0	.0	1.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	. 1	. 1	.0	.0	.0	.0		. 2	
	11-21	.0	.0	. 1	. 1	. 1	. 1	.0	.0	.0		. 3	
	22+	.0	.0	.0	.0	. 1	.0	.0	.0	.0		. 1	
	TOT %	.0	.0	. 1	. 2	. 2	.1	.0	.0	.0	.0	.6	
	0-3	.1	.0	. 3	. 1			.1		.0	. 2	, 9	
5<10	4-10	. 1	.5	. 8	2.4	3.4	1.3	. 5	. 6	.0		9.6	
	11-21	. 1	. 5	.7	7.0	8.2	1.8	. 3	. 1	.0		18.7	
	22+	.0	.0	. 3	2.2	2.1	.1	.0	.0	.0		4.7	
	TOT %	.3	1.0	2.1	11.7	13.7	3.2	.9	. 7	.0	. 2	33.9	
	0-3	.1	• 1	.4	.7	1.3	.4	.5	.2	.0	1.5	5.2	
10+	4-10	. 2	1.1	2.1	8.6	8.5	3.1	1.2	. 8	.0		25.5	
	11-21	.3	. 2	1.5	9.8	11.4	3.6	1.2	. 4	.0		28.3	
	22+	.0	. 2	.0	2.9	1.6	.1	. 2	.0	.0		5.1	
	TOT %	.6	1.6	4.0	21.9	22.9	7.1	3.1	1.4	.0	1.5	64.1	
T	OT DAS												1267
T	OT PCT	.9	2.7	6.2	34.2	37.5	10.7	4.0	2.1	.0	1.7	100.0	

								APR	IL						
PERIOD: (PRIMAR (OVER-								TABLE	10			AR		SHARK BA	
				PER	CENT F	REQUEN	CURREN	CEILIN	NH <5/	HTS (F	EET, NH	>4/8) 4	IND		
	HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS	
	00603	.0	.0	.7	3.9	7.8	5.9	2.0	2.0	.7	1.3	24.2	75.8	153	
	06609	.0	.0	.6	1.9	6.8	7.5	1.9	1.9	.0	1.2	21.7	78.3	161	
	12615	.0	.0	•0	.7	9.1	3.5	2.1	.7	.7	.7	17.5	82.5	143	
	18821	.0	.0	.0	4.5	4.5	6.0	.7	.7	.7	1.5	18.7	81.3	134	
	TDT PCT	.0	.0	.3	16	7.1	34 5.8	10	8	.5	1.2	122	469 79.4	591 100.0	

				TABLE 1	1						TABLE	12		
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DB5	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.3	.6	.0	30.5	68.6	354	00803	.0	.7	4.8	20.5	74.7	146
90360	.0	•0	2.0	.0	26.6	71.5	305	06809	.0	.7	2.7	20.7	76.7	150
12615	.0	.0	2.3	1.7	37.5	58.6	355	12615	.0	.0	3.0	17.3	79.7	133
18821	.0	1.1	.7	.4	42.1	55.8	285	18821	.0	.0	5.6	15.3	79.0	124
TOT PCT	.0	.3	18	.5	442 34.0	828 63.7	1299	TOT	.0	.4	4.0	103 18.6	428 77.4	553 100.0

					TA	BLE 1	3									TABLE	E 14			
	PERC	ENT F	REQU	JENCY	OF RE	LATIV	HUM1	DITY B	Y TEMP		PCT		PER	RCENT FR	EQUENC	Y OF W	IND DIRE	CTION B	Y TEMP	
TEMP F	0-29	30-3	9 40	-49	50-59	60-69	70-79	80-89	90-100	TOTAL	FREQ		l N	E E	SE	s	SW	W	NW VA	R CALM
85/89	.0		.0	.0	.1	.5	.2	.2	. 1	11	1.1	.1		1 .0	.3	. 5		.0	.1 .	
80/84	.0		.0	. 2	. 4	1.5	2.6	2.0	1.2	79	7.9	. 1			2.6	2.8	1.0	. 1	.2 .	0 .2
75/79	.0		. 0	. 2	1.7	4.5	12.3	11.6	5.6	359	36.0	.4			10.3	13.2	3.9		.4	
70/74	.0		. 1	. 8	2.5	11.5	14.8	11.4	4.2	452	45.4	.4			16.8	16.9	4.8		.5 .1	
65/69	.0		.0	. 3	1.2	2.3	2.2	2.2	. 8	90	9.0	. 2			3.9	3.1	1.1		.1 .	0 .6
60/64	.0		.0	.0	.0	.3	. 1	. 1	.0	5	. 5	.0			.1	. 2	.1		.0 .	.0
TOTAL	0		1	15	59	206	321	275	119		100.0						• •			• • •
PCT	.0		. 1	1.5	5.9	20.7	32.2	27.6	11.9			1.1	2.	7 6.7	34.1	36.5	11.0	4.0 2	.2 .	1.7
					TARL	E 15										TABLE	E 16			
,	EANS, E	XTREN	IES A	ND P	ERCENT	ILES I	DF TEM	PIDEG	F) BY	HOUR			PER	CENT FRE	QUENCY	OF RE	LATIVE H	UMIDITY	BY HOU	2
HOUR	MAX	99%	95	*	50%	5%	1%	MIN	MEAN T	DTAL		HOUR	0-29	30-59	60-69	70-79	9 80-89	90-100	MEAN	TOTAL
(GMT)										085		(GMT)								DBS
00603	89	86		1	74	68	65	64	74.0	405		00603	.0	8.8	18.0	30.0	30.0	13.1	76	283
90330	89	86		14	75	69	66		75.7	428		90300	.0	12.5	27.2	34.9				232
12615	86	83	8	1	74	69	66		74.2	408		12815	.0	3.9	16.5	36.6				284
18621	83	80		8	72	67	65		72.4	382		18621	.0	5.5	20.9	25.0			78	220
TOT	89	85		11	74	68	65		74.1	1623		TOT	0	77	207	325				1019

PERIOD: (PRIMARY) 1917-1969 (DVER-ALL) 1859-1969

TABLE 17

AREA 0019 SHARK BAY 25.55 111.5E

PCT	FREQ OF	AIR	TEMPERATURE	IDEG	F)	AND	THE	DCCURRENCE	OF	FOG	(WITHOUT	PRECIPITATION)	
					**	HOER	TILDI	- DIECEBENCE					

			VS	AIR-5	EA TI	MPERA	TURE	DIFFE	RENCE	(DEG F)			
AIR-SEA	57	61	65	69	73	77	81	85	89	TOT	w	WD	
TMP DIF	60	64	68	72	76	80	84	88	92		FDG	FDG	
11/13	.0	.0	.0	.0	.0	.0	.0	.7	. 2	2 5	.0	. 3	
9/10	.0	.0	.0	.0	.0	.0	. 2	.7	.0	5	.0	. 9	
7/8	.0	.0	.0	.0	.0	.5	. 7	. 7	.0	11	.0	1.9	
6 5	.0	.0	.0	.0	.5	.2	.5	.5	.0	10	.0	1.7 2.4 2.6	
5	.0	.0	.0	2	.3	. 3	1.4	.2	.0	14	.0	2.4	
4	.0	.0	.0	.2	. 2	1.4	. 9	.0	.0	15	.0	2.6	
3	.0	.0	.0	. 0	1.2	1.7	1.2	.0	.0	24	.0	4.2	
3 2	.0	.0	. 2	. 3	.9	4.0	.7	. 2	.0	36	.2	6.1	
0	.0	.0	. 2	.9	2.3	5.0	.5	.0	.0	51	.0	8.9	
0	.0	.0	.3	2.8	6.6	3.6	1.0	.0	.0	83	.0	14.4	
-1	.0	.0	.3	1.6	5.9	2.8	.7	.0	.0	65	.0	11.3	
-2	.0	.0	.3	3.5	6.9	2.1	.0	.0	.0	74	.0	12.6	
-3	.0	.0	1.0	3.0	4.2	1.4	. 2	.0	.0	56	.0	9.7	
-4	.0	.0	1.0	4.0	3.0	. 5	.0	.0	.0	49	.0	8.5	
-5	.0	. 2	.9	3.5	2.8	. 9	.0	.0	.0	47	.0	8.2	
-6	.0	.0	.5	1.7	1.4	.0	.0	.0	.0	21	.0	3.6	
-7/-8	.0	.0	.0	. 5	.7	. 2	.0	.0	.0	8	.0	1.4	
-9/-10	.0	. 2	.0	. 3	. 2	.0	.0	.0	.0	4	.0	. 7	
-11/-13	. 2	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	575	
TOTAL	1		28		213		46		1		1	575	
		2		129		142		14		576			
PCT	. 2	. 3	4.9	22.4	37.0	24.7	8.0	2.4	.2	100.0	. 2	99.8	

PERIOD: (OVER-ALL) 1963-1969

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

					N!							NE				
HG		-3	4-10	11-21	27-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1		.0	.0	.0	.0	.0	.0	.0	. 3	. 3	.0	.0	.0	.0	.7	
1-		.0	. 6	.0	.0	.0	.0	.6	.0	. 4	.0	.0	.0	.0	. 4	
3-		.0	.0	.7	.0	• 0	.0	. 7	.0	. 1	1.4	.0	.0	.0	1.5	
5-		.0	.0	.3	.0	.0	.0	. 3	.0	.0	.0	.0	.0	.0	.0	
7		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
A-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12		.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-		.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	
17-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-		. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT	PCT	.0	. 6	. 9	.0	.0	.0	1.5	. 3	. 9	1.4	1.0	.0	.0	3.6	
н	T 1	-3	4-10	11-21	F 22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT	
<1		.0	.3	.0	.0	.0	.0	.3	. 7	1.7	.0	.0	.0	.0	2.4	
1-	2	.0	.9	.0	.0	.0	.0	.9	.0	4.5	.5	.0	.0	.0	5.0	
3-		.0	.9	1.4	.0	.0	.0	2.3	.0	1.8	3.6	.3	.0	.0	5.7	
5-		.0	.3	1.0	.0	.0	.0	1.4	.0	. 1	6.4	. 8	.0	.0	7.3	
7		.0	.0	. 7	.0	.0	.0	. 7	.0	.0	1.9	2.5	.0	.0	4.4	
8-		.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	3.1	.0	.0	5.3	
10-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.1	.0	.0	1.8	
12	••	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-	16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-	60	.0	.0	.0	.0	.0	• C	.0	.0	.0	.0	.0	.0	.0	.0	
61-	70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-	86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8	7+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT		.0	2.5	3.1	.0	.0	.0	5.6	. 7	8.0	15.3	7.8	.0	.0	31.8	
	7775					0.000		-5.5								

									APRIL							
PERIOD:	COVE	K-ALL)	1963-1	969									AREA	0019 5		
								TABLE	18 (CONT)				25.5	5 111	.55
				PC	T FREQ D	F WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS	SEA HEIG	HTS (FT)			
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21		34-47	48+	PCT	
<1	.3	.9	.0	.0	.0	.0	1.2			. 9			.0	.0	. 9	
1-2	.0	5.0	1.7	.0	.0	.0	6.7		.0	3.6			.0	.0	5.1	
3-4	.0	2.2	8.4	.0	.0	.0	10.6		.0	.5			.0	.0	3.6	
5-6	.0	.3	5.8	.3	.0	.0	6.3		.0	. 0			.0	.0	1.1	
7	.0	.0	3.9	1.6	.0	.0	5.5		.0	.0			.0	.0	. 2	
8-9	.0	.0	1.8	1.7	.0	.0	3.5		.0	.0			.0	.0	. 1	
10-11	.0	.0	.0	.6	.0	.0	.6		.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0		.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.3	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
26-32	.0	. C	.0	.0	• 0	.0	.0		.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	. 0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	.0	
TOT PCT	. 3	8.3	21.6	4.2	• 0	•0	34.4		.0	5.0	6.3	.0	.0	.0	11.3	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	POTAL
<1	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	-
1-2	.0	1.4	.0	.0	.0	.0	1.4		. 3	1.9			.0	.0	2.6	
3-4	.3	.3	1.3	.0	.0	.0	1.9		.0	.0			.0	.0	. 8	
5-6	.0	.0	.0	.0	.0	.0	2.0		.0	.0			.0	.0	. 1	
7	.0	.0	.3	.0	.0	.0	.3		.0	.0			.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
10-11	.0	.0	.0	.0	• 0	•0	.0		.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.3	.0	.0	.0	.3		.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0		.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	• 0	.0		.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	•0	.0	.0		.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
TOT PET	.3	1.6	1.9	.0	.0	.0	3.9		.3	1.9	1.2		.0	.0	3.4	95.5

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
								DBS
<1	5.8	4.1	.0	.0	.0	.0	9.9	
1-2	1.0	18.0	4.1	.0	.0	.0	23.1	
3-4	.3	5.8	20.4	.3	.0	.0	26.9	
5-6	.0	. 7	14.6	1.0	.0	.0	16.3	
7	.0	.0	6.8	4.1	.0	.0	10.9	
8-9	.0	.0	4.1	4.8	.0	.0	8.8	
10-11	.0	.0	.7	1.7	.0	.0	2.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.7	1.0	.0	.0	1.7	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40				.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
	• 0	.0	.0		.0			
49-60	.0	.0	.0	.0		.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								294
TOT PCT	7.1	28.6	51.4	12.9	.0	.0	100.0	

PERIOD: (DVER-ALL) 1949-1969

TABLE 19

PERIOD <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-80 61-70 71-86 87+ TOTAL MEAN HGT

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				,	EKCEN.	FREQU	ENCY	F WEATHER	DCCORRENCE		NO DIK	ECTION			
			P	RECIPI	TATIU	N TYPE					OTHER	WEATHER	PHEND	MENA	
WNO DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
N	2.9	1.4	.0	.0	• 0	.0	.0	4.3	.0	1.4	.0	.0	.0		94.2
NE	1.1	3.3	.0	.0	.0		.0	4.3	.0	1.1	.0	.5	.0	.0	94.0
E	2.1	1.2	.0	.0	.0	.0	.0	3.3	1.9	.0	.0	.7	.7	.0	93.4
SE	.8	.9	.9	.0	.0	.0	.0	2.1	.0	.1	.0	.0	. 1	.0	97.7
S	2.0	3,3	.0	.0	.0		.0	5.3	1.7	. 9	.0	.0	.0	.0	92.1
SW	.7	1.7	1.3	.0	.0	.0	.0	3.7	1.3	1.7	.0	.0	.0	.0	93.3
м.	1.3	7.6	5.1	.0	.0		.0	14.0	.0	.0	.0	.0	.0	.0	86.0
NW	.0	13.8	.0	.0	.0		.0	13.8	.0	.0	.0	.0	.0	.0	86.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	100.0
CALM	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.4	2.6	.7	.0	•0	.0	.0	4.5	. 8	.5	.0	.1	.1	.0	93.9

TABLE 2

					PE	KCENI	FKEOUE	NCT UP ME	ATHER OCCUR	KENCE	B1 100				
			P	RECIPI	TATION	TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	2.7	1.3 3.4 2.5 3.2	.4 1.1 .0 1.3	.0	.0	.0	.0	4.0 5.1 3.0 6.4	1.8 1.1 .0	.0	.0	.0	.0	.0	93.3 93.8 96.5 91.0
TOT PCT TOT DBS:	1.5 756	2.5	.7	.0	•0	.0	.0	4.5	.8	.5	.0	-1	.3	.0	93.8

		WIN	n SPE	D (KN	TS									(GMT)			
WND DIR	0-3			22-33		48+	TOTAL	PCT	SPD	00	03	06	09	12	15	18	21
N	. 7	1.7	1.6	.1	.0	.0		4.1	9.8	3.8	9.6	5.5	1.9	4.7	.0	2.6	1.9
NE	. 7	3.4	2.5	.3	.0	.0		7.0	10.2	9.0	10.7	7.3	8.4	5.1	7.9	4.2	5.5
E	.6	5.5	7.3	. 9	.2	.0		14.5	12.5	17.4	17.9	16.6	8.9	8.8	9.2	16.7	18.3
SE	1.3	10.5	14.2	2.3	. 3	.0		28.6	13.0	30,0	26,6	28.3	27.1	28.4	26.3	32.0	24.0
5	1.1	10.4	10.5	1.3	. 1	.0		23.3	11.8	20.5	17.9	24.0	29.9	25.0	35.5	22.3	21.2
SW		5.9	3.6	.7	. 1	.0		10.9	10.9	7.7	6.9	10.2	9.8	13.8	10.5	12.8	12.7
W	. 8	2.5	2.1	.6	.1	.0		6.1	11.0	5.8	7.4	4.4	7.0	6.2	2.6	5.3	10.4
NW	.7	1.7	1.7	.2	.0	.0		4.4	10.3	4.8	3.0	2.8	7.0	5.8	7.9	2.6	3.5
VAR	. 1	.0	• 0	.0	.0	.0		. 1	2.0	.0	.0	.0	.0	.3	.0	.0	. 0
CALM		• 0	• 0	•••		• •		1.1	.0	1.0	.0	. 8	.0	1.9	.0	1.4	1.5
TOT DBS	1.1	604	633	93	11	0	1451		11.7	300	91	249	107	316	38	220	130
TOT PCT	7.6	41.6	43.6	6.4	. 8	.0	1421	100.0				100.0			100.0		100.0

					TAB	LE 3A						
WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN	00	06 09	12 15	18
N	1.4	2.1	.5	.1	.0		4.1	9.8	5.2	4.4	4.2	2.4
NE	2.5	3.0	1.4	.0	.0		7.0	10.2	17.5	7.7	8.8	17.3
9.5	3.9	8.4	7.4	.6	.0		28.6	12.5	29.2	27.9	28.2	29.1
S E	4.9	13.2	4.9	.4	.0		23.3	11.8	19.9	25.8	26.1	21.9
5 W	3.0	6.2	1.3	.3	. 1		10.9	10.9	7.5	10.1	13.4	12.8
W	2.3	2.4	1.1	.3	.0		6.1	11.0	6.1	5.2	5.8	7.2
VAR	1.5	2.1	.7	.1	.0		4.4	2.0	4.4	4.1	.3	.0
CALM	1.1	•0	.0				1.1	• 0	. 8	.6	1.7	1.4
TOT DAS	336	785	295	32	3	1451		11.7	391	356	354	350
TOT PCT	23.2	54.1	20.3	2.2	. 2		100.0		100.0	100.0	100.0	100.0

						MAY					
						TABLE 4				AREA	0019 SHARK BAY 25.65 111.6E
		PER	CENTAGE	FREQUE	NCY OF	WIND SP	EED BY	HOUR	(GMT)		
HOUR	CALM	1-3	4-10				48+	MEAN	PCT	TOTAL	
00603	.6	7.2	40.9	45.5	5.1 8.1	.5	.0	12.1	100.0	391 356	
18621 TOT	1.4	5.4	39.7	633	7.4	1.1	.0		100.0	350 1451	
	HOUR 00603 06609 12615 18621	06609 .6 12615 1.7 18621 1.4 TOT 16	PER HOUR CALM 1-3 00603 .8 7.2 00609 .6 5.6 17615 1.7 7.6 18621 1.4 5.4 TOT 16 94	PERCENTAGE HOUR CALM 1-3 4-10 00603 .8 7.2 40.9 06609 .6 5.6 40.2 17615 1.7 7.6 45.8 18621 1.4 5.4 39.7 TOT 16 94 604	PERCENTAGE FREQUE HOUR CALM 1-3 4-10 11-21 00603 .8 7.2 40.9 45.5 06609 .6 5.6 40.2 44.9 17615 1.7 7.6 45.8 39.0 18621 1.4 5.4 39.7 44.9 TOT 16 94 604 633	PERCENTAGE FREQUENCY OF HOUR CALM 1-3 4-10 11-21 22-33 006.03 .8 7.2 40.9 45.5 5.1 066.09 .6 5.6 40.2 44.9 8.1 126.15 1.7 7.6 45.8 39.0 5.1 186.21 1.4 5.4 39.7 44.9 7.4 TOT 16 94 604 633 99.	1922-1972 1857-1972 TABLE 4 PERCENTAGE FREQUENCY OF MIND SPEC HOUR CALM 1-3 4-10 11-21 22-33 34-47 00603 .8 7.2 40.9 45.5 5.1 .5 06609 .6 5.6 40.2 44.9 8.1 .6 17615 1.7 7.6 45.8 39.0 5.1 .8 18621 1.4 5.4 39.7 44.9 7.4 1.1 TOT 16 94 604 633 93 93	1927-1972 1857-1972 PERCENTAGE FREQUENCY OF MIND SPEED BY MIND SPEED (KNOTS) HOUR CALM 1-3 4-10 11-21 22-33 34-47 48+ 00603 .8 7.2 40.9 45.5 5.1 .5 .0 06609 .6 5.6 40.2 44.9 8.1 .6 .0 17615 1.7 7.6 45.8 39.0 5.1 .8 .0 18621 1.4 5.4 39.7 44.9 7.4 1.1 .0 101 101 10 94 604 633 93 11 0	1927-1972 1857-1972 PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR WIND SPEED (KNOTS) HOUR CALM 1-3 4-10 11-21 22-33 34-47 48+ MEAN 00603 .8 7.2 40.9 45.5 5.1 .5 .0 11.6 06609 .6 5.6 40.2 44.9 8.1 .6 .0 12.1 17615 1.7 7.6 45.8 39.0 5.1 .8 .0 11.0 18621 1.4 5.4 39.7 44.9 7.4 1.1 .0 12.1 TOT 16 94 604 633 93 11 0 11.2	1927-1972 1857-1972 PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT) HOUR CALM 1-3 4-10 11-21 22-33 34-47 48+ MEAN FREQ 00603 .8 7.2 40.9 45.5 5.1 .5 .0 11.6 100.0 06609 .6 5.6 40.2 44.9 8.1 .6 .0 12.1 100.0 17615 1.7 7.6 45.8 39.0 5.1 .8 .0 11.0 100.0 18621 1.4 5.4 39.7 44.9 7.4 1.1 .0 12.1 100.0 18621 1.4 5.4 39.7 44.9 7.4 1.1 .0 12.1 100.0 1000 1000 1000 1000 1000 1000 1	1927-1972 1857-1972 PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT) HOUR CALM 1-3 4-10 11-21 22-33 34-47 48+ MEAN FREQ DBS 00603 .8 7.2 40.9 45.5 5.1 .5 .0 11.6 100.0 391 06609 .6 5.6 40.2 44.9 8.1 .6 .0 12.1 100.0 356 17615 1.7 7.6 45.8 39.0 5.1 .8 .0 11.0 100.0 354 18621 1.4 5.4 39.7 44.9 7.4 1.1 .0 12.1 100.0 350 100.0 350 100.0 350 40.0 40.0 40.9 40.0 40.9 7.4 1.1 .0 12.1 100.0 350 100.0 100.0 391 0621 100.0 350 100.0 10

			т,	ABLE 5								T	BLE 6					
	CT FRE					EIGHTHS)		.)						G HEIG				
			A MIN	DIREC	TUN	MEAN			,	AND UC	CURKEN	ICE DF	NH (5/	B BY W	IND DI	RECTIO	JN.	
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	1.7	.5	1.3	.2		3.5	.0	.0	. 2	.0	. 1	.5	.0	.0	.0	.0	2.9	
NE	2.7	1.2	1.3	.3		3.1	.0	.0	.0	.0		.1	. 1	. 2	.0		5.1	
E	10.5	2.4	2.3	1.7		2.5	.0	.0	.0	.0	1.2	.6	. 5	.0	.0	.5	14.0	
SE	16.4	5.8	8.6	2.6		3.2	.0	.0	.0	. 3	2.1	2.8	1.5	.0	.4	. 4	26.9	
S	8.2	4.0	8.1	2.5		3.9	.0	.0	.0	. 9	2.9	1.8	1.1	. 2	.0	. 7	15.2	
SW	3.8	1.8	3.0	1.5		4.0	.0	.0	.0	*	1.3	1.4	1.2	.0	.0	.0	6.1	
w	. 5	. 8	1.3	.1		4.2	.0	.0	.0	. 1	.0	. 8	.0	.0	.0	.0	1.8	
NW	1.1	. 2	.6			3.2	.0	.0	.0	.0		. 3	.0	.0	.0	.0	1.6	
VAR	.2	.0	.0	.0		2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	
CALM	1.5	.0	.0	. ?		1.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	1.5	
TOT DBS	244	93	139	48	524	3.3	0	0	1	7	41	44	23	2	2	9	395	524
TOT PCT	46.6	17.7	26.5	9.2	100.0		.0	•0	• 2	1.3	7.8	8.4	4.4	. 4	.4	1.7	75.4	100.0

TABLE 7 CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM	1)			
CI	FILING	- OR	- UR	= DR	= DR	= DR	= DR	• DR	= DR
(1	FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
OR	>5000	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
OR	>3500	0.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
OR	>2000	13.5	14.4	14.4	14.8	14.8	14.8	14.8	14.8
DR	>1000	20.3	22.3	22.7	23.1	23.1	23.1	23.1	23.1
OR	>600	20.8	23.3	23.6	24.0	24.0	24.0	24.0	24.0
OR	>300	21.0	23.5	23.8	24.2	24.2	24.2	24.2	24.2
OR	>150	21.0	23.5	23.8	24.2	24.2	24.2	24.2	24.2
OR	> 0	21.0	23.5	23.8	24.2	24.2	24.2	24.2	24.2
	THTAL	112	125	127	129	129	129	129	129

TOTAL NUMBER OF OBS: 533 PCT FREQ NH 45/8: 75.8

TABLE 7A

PERCENTAGE FREG OF LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 23.4 20.2 13.7 9.7 8.5 6.6 6.6 5.6 5.8 .0 590

PERCENT	FREQ	OF	WIND	DIRECT	ION VS	DCCURRENCE	OR	NON-DCCURRENCE	DF
						. WALLIER B			

				PREC	IPITAT	ION WI	TH VAK	TING V	ALUES	UF VIS	18111	Y	
VSBY (NM)		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	• 0	.0	.0		.1	.0	. 1	.0	.0	.0	.3	
1<2	NO PCP	.0	.0	.0	. c	.0	.0	.0	.0	.0	.0	.0	
	TOT *	.0	.0	.0	*	. 1	.0	. 1	.0	.0	.0	.3	
	PCP	.0	.0	.0	. 1	.0	.0	.0	.0	.0	.0	.1	
2<5	NO PCP	• 1	.0	.0	.6	. 2	. 1	.0	.0	.0	.0	1.1	
	TOT %	• 1	.0	.0	.7	. 2	. 1	.0	.0	.0	.0	1.2	
	PCP	• 1	. 2	.2	.3	.3	.2	.3	.3	.0	.0	1.9	
5<10	NO PCP	. 5	1.0	1.1	3.2	3.1	1.2	.5	. 5	.0	.0	11.2	
	TOT %	. 6	1.2	1.3	3.5	3.5	1.4	. 8	. 8	.0	.0	13.1	
	PCP	• 1	. 1	.3	. 2	.7	.2	. 3	. 2	.0	.0	2.0	
10+	NO PCP	3.9	5.0	12.8	26.3	19.0	8.4	4.0	2.6	. 1	1.2	83.4	
7.00	TOT %	4.0	5.0	13.1	26.5	19.7	8.6	4.3	2.8	. 1	1.2	85.4	
	TOT OBS												739
	TOT PCT	4.7	6.2	14.4	30.7	23.5	10.1	5.3	3.7	. 1	1.2	100.0	

TABLE 9

PERCENT FREQ DE WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY	SPD	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
1.447	0-3						.0	.0	.0	.0	.0	.0	003	
11/2		.0	•0	.0	.0	.0		.0	.0	.0	.0			
<1/2	4-10	.0	• 0	.0	.0	.0	.0		.0			.0		
	11-71	.0	.0	.0	.0	.0	.0	.0		.0		.0		
	25+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	. 1	.0	.0	.0	.0	.0	.0	.0	.0		.1		
	11-21	*	.0	.0	.0	.0	.0	.0		.0		.1		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	. 1	.0	.0	.0	.0	.0	.0	*	.0	.0	. 2		
	0-3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	, 1		
1<2	4-10	.0	.0	.0	*	.3		.0	.0	.0		.4		
	11-21	.0	.0	.1	*	.3	.0	. 1	.0	.0		.5		
	22+	.1				.0	.0	.0	.0	.0		.1		
	TUT %	:1	.0	.0	.0	.6		.1	.0	.0	.0	1.1		
	101 %	• • •	.0	• 1	.1	.0		•••		.0	.0	1.1		
	0-3	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		
2 < 5	4-10	.0	.0	.0	. 2	.0	. 1	.0	.0	.0		.3		
	11-21	.0	.0	.0	. 2	. 1	.0	.0	.0	.0		. 3		
	25+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	. 1	.0	.0	.5	.1	. 1	.0	.0	.0	.0	.7		
	0-3	.1	. 2	. 2	.6	.5	.3	.5	. 2	.0	.0	2.6		
5<10	4-10	. 4	1.5	2.1	3.5	3.3	2.1	1.1	1.0	.0		15.1		
	11-21	.7	1.1	2.1	3.9	4.2	1.5	. 8	.6	.0		14.7		
	22+	.0	. 2	. 3	. 9	. 8	.7	. 3	. 2	.0		3.4		
	TOT %	1.2	2.9	4.8	8.9	8.7	4.6	2.7	2.0	.0	.0	35.7		
	0-3	.6	.5	.4	.7	.6	.4	.4	.3	. 1	.8	4.9		
10+	4-10	1.4	2.1	3.5	6.7	6.5	3.8	1.6	1.0	.0		26.6		
10+	11-21	.7	1.6	4.5	9.8	6.4	2.2	1.1	1.2	.0		27.5		
	22+	.0	.2	. 8	1.2	.7	. 2	. 2	-1	.0		3.4		
	TOT %	2.8	4.4	9.2	18.3	14.2	6.6	3,3	2.6	.1	.8	62.3		
	101 %	2.0	4.4	4.2	10.3	14.2	0.0	,,,	2.0	.,	.0	02.3		
	TOT ORS												1213	
	TOT PCT	4.2	7.4	14.0	27.8	23.6	11.3	6.1	4.6	.1	.8	100.0		
						-								

MAY

PERIOD:	(PRIMARY)	1922-1972
	(DVER-ALL)	1857-1972

TABLE 10

AREA 0019 SHARK BAY 25.65 111.6F

PERCENT	FREQUENCY OF	CFIL	ING	HEIGHTS	(FEET, NH	>4/81	AND
	DCCURRE	NCE D	IF NE	4 <5/8 BY	HOUR		

HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.0	.0	• 0	.7	9.2	8.5	5.6	.0	1.4	2.1	27.5	72.5	142
06809	.0	.0	.0	.6	12.2	8.3	3.2	.6	.0	.6	25.6	74.4	156
12615	.0	.0	.0	.7	5.0	5.7	2.1	.7	.0	2.1	16.3	83.7	141
18621	.0	.0	.7	2.9	3.6	8.0	5.1	.0	.0	1.4	21.7	78.3	138
TOT	0	0	.2	7	7.6	7.6	4.0	.3	.3	9	132	77.1	577

TABLE 11

TABLE 12

	CUMULATIVE PCT FRED OF RANGES OF VSBY (NM) AND/	a
ERCENT FREQUENCY VSBY (NM) BY HOUR	CETLING HOT (FEET.NE >4/8).BY HOUR	

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DRS	HOUR (GMT)	<150 <50YD				NH <5/8 AND 5+	TOTAL DBS
00603	.0	.6	1.1	. 8	30.9	66.6	356	£0306	.0	.0	2.2	26.9	70.9	134
06609	.0	.0	1.5	. 4	29.9	68.3	271	06609	.0	.0	1.4	25.0	73.6	148
12615	.0	.0	1.2	1.8	42.3	54.6	326	12815	.0	.0	.0	17.5	82.5	126
18821	.0	.0	.3	.0	42.3	57.4	298	18821	.0	. 8	4.0	19.2	76.8	125
TUT	.0				455 36.4	771 61.6	1251	TOT PCT	0			119	404 75.8	533 100.0

TABLE 13

TABLE 14

	FERGE		EQUENC				,,,,	1 tene	TOTAL	PCT		LLING		CHOLING		IND DI				
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	085	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0	.1	.2	.1	.3	.1	.0	8	.9	.0	.1	.3	. 2	.1	.0	.0	.1	.0	.0
75/79	.0	. 6	.9	2.8	4.7	7.3	2.5	1.0	184	19.8	2.4	1.6	3.3	4.8	4.1	1.6	. 7	1.2	.0	.1
70/74	.0	. 1	2.3	5.4	17.0	13.6	7.2	3.7	457	49.3	1.7	3.3	6.0	14.4	12.9	5.9	2.7	1.8	. 1	.4
65/69	.0	. 1	. 4	3.9	7.6	7.8	5.0	3.0	257	27.7	.2	1.9	3.9	8.4	6.5	4.3	1.9	.6	.0	. 1
60/64	.0	.0	.0	. 3	.5	. 5	. 4	. 4	21	2.3	.0	. 1	.2	. 7	. 9	. 4	. 1	.0	.0	.0
TOTAL	0	8	34	117	278	274	141	75	927	100.0										
PCT	.0	. 9	3.7	12.6	30.0	29.6	15.2	8.1			4.3	7.0	13.7	28.5	24.5	12.2	5.4	3.8	. 1	. 6

TARLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR	PERCENT FREQUENCY OF RELATIVE HUM
---	-----------------------------------

	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR										PERC	ENT FRE	QUENCY	DF RELA	TIVE H	UMIDITY	BY HOUR	ŧ.
HOUR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
E0300	86	82	78 79	71 73	65	63	62	71.5	389	60300 60360	.0	17.8	27.8	29.6	17.4	7.4	71 58	270
12615	89	81	79	71	66	65		71.7	350	12615	.0	15.2	27.5	32.0	16.0		72	244
18621	79 89	78 81	75 78	70	65	63	63	70.1	344 1420	18621	.0	14.8	25.8	27.1	20.1	12.2	73	963

PERIOD: (PRIMARY) 1922-1972 (OVER-ALL) 1857-1972

TABLE 17

AREA 0019 SHARK BAY 25.65 111.6F

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	61	65	69	73	77	81	TET	W	WD
TMP DIF	64	68	72	76	80	84		FOG	FOG
6 5	.0	.0	.0	.2	.0	. 2	2	.0	. 4
5	.0	.0	. 4	.0	1.1	.6	11	.0	2.0
4	.0	.0	. 2	.7	.6	. 2	9	.0	1.7
3	.0	.0	. 2	1.5	. 9	.0	14	.0	2.6
3 2	.0	.0	. 4	1.1	1.8	. 4	20	.0	3.7
0	. 2	. 4	1.3	2.9	1,3	.0	33	.0	6.1
0	.0	.0	2.8	4.1	3.3	.0	55	.0	10.1
-1	. 2	1.3	4.2	5.3	1.3	.0	67	.0	12.3
-2	.0	2.0	4.1	4.1	1.7	.0	64	.0	11.8
-3	.0	1.7	4.4	4.6	. 2	.0	59	.0	10.9
-4	. 2	2.4	5.7	3.5	.0	.0	64	.0	11.8
-5	.0	2.6	4.8	2.4	. 6	.0	56	.0	10.3
-6	. 4	2.4	2.2	1.3	.0	.0	34	.0	6.3
-7/-8	. 7	2.2	4.6	. 7	.0	.0	45	.0	8.3
-9/-10	. 4	1.1	.4	.0	.0	.0	10	.0	1.8
TOTAL	11		193		69		•	0	543
	• •	87	-	176		7	543		
PCT	2.0	16.0	35.5	32.4	12.7	1.3	100.0		100.0

PERIOD: (DVER-ALL) 1963-1972

								TABLE	18						
				Po	T FREQ C	F WIND	SPEED	(KTS) AND	DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	. 4	.0	.0	• 0	.0	. 4		.0	.4	.0	.0	.0	.0	. 4
1-2	. 3	. 8	.0	.0	• 0	.0	1.1		.0	.6	.1	.0	.0	.0	.7
3-4	.0	1.0	.5	.0	• 0	• 0	1.5		.0	.4	1.8	.0	.0	.0	2.2
5-6	.0	.0	1.1	.0	.0	.0	1.1		.0	.4	. 1	.0	.0	.0	.5
7	.0	.0	.0	.0	• 0	• 0	.0		. 0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	• 0	•0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0		• 0	.0			.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.2	1.6	.0	.0	.0	4.1		.0	1.7	2.0	.0	.0	.0	3.7
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	. 3	.0	.0	• 0	• 0	.9		.5	. 9	.0	.0	.0	.0	1.4
1-2	.0	2.3	.6	.0	• 0	.0	3.0		.0	5.5	1.5	.0	.0	.0	7.0
3-4	.0	2.5	4.2	.0	.0	• 0	6.8		.0	4.4	5.6	.0	.0	.0	10.0
5-6	.0	. 3	1.0	.0	.6	.0	1.9		.0	1.2	7.7	1.1	. 5	.0	10.4
7	.0	.0	.7	. 9	.0	.0	1.6		.0	.0	1.6	. 4	.0	.0	2.0
8-9	.0	.0	.0	.0	.0	.0	. (.0	.0	1.1	.7	.0	.0	1.8
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.4	.0	.0	. 4
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
76-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	5.4	6.6	.9	.6	.0	14.2		.5	12.0	17.5	2.5	. 5	.0	32.9

									MAY							
PERIND:	(DVE	R-ALL)	1963-1	972				TABLE	18 (CON	т)			AREA	25.	5HARK B	
				Pc	T FREO	DE WIND	SPEED	(KTS)	AND DIR	ECTION	VERSUS	SEA HEIG	HTS (FT)		
							3, 220		2000 H. 100 B. 100							
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	3.0	.4	.0	.0	.0	3.3		. 5	1.0	.0	.0	.0	.0	1.4	
1-2	.0	5.8	1.3	.0	.0	.0	7.0		.0	2.9		.0	.0	.0	3.7	
3-4	. 9	2.4	6.6	.0	.0	.0	9.9		. 2	1.9	1.7	.0	.0	.0	3.8	
5-5	.0	.4	4.2	.0	.0	.0	4.6		.0	. (.0	.0	1.1	
7	.0	. 3	1.3	.9	.0	.0	2.4		.0			.0	.0	.0	. 1	
8-9	.0	.0	.0	. 3	.0	.0	.3		.0	. (.0	.0	.1	
10-11	.0	.0	.0	.4	.0	• 0	. 4		.0			.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	. (. 0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	. (. 0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	. (. 0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	. (.0		.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
DT PCT	.9	11.8	13.7	1.5	• 0	•0	28.0		.6	5.9	3.6	• 1	.0	.0	10.2	
				u								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21		34-47	48+	PCT	PCT
<1	.6	.3	.0	.0	.0	.0	. 9		.0	. (.0	.0	.0	
1-2	.0	. 4	.4	.0	.0	.0	.7		. 5				.0	.0	. 5	
3-4	.0	.3	.3	.0	.0	.0	. 5		.0				.0	.0	1.4	
5-6	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	. 7	
7	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	. 4	
8-9	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
23-25		.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
	.0					.0	.0		.0				.0	.0	.0	
26-32	.0	.0	.0	.0	.0											
	.0	.0		.0	.0				.0	. (.0	.0	.0	.0	.0	
26-32			.0			.0	.0		.0				.0	.0	.0	
26-32 33-40	.0	.0	.0	.0	.0	.0	.0				0.0	.0				
26-32 33-40 41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	0.0	.0	.0	.0	.0	
26-32 33-40 41-48 49-60	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32 33-40 41-48 49-60 61-70	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	.0	.0	.0	

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.6	5.4	.4	.0	.0	.0	11.3	003
1-2	1.1	18.1	4.6	.0	.0	.0	23.8	
3-4	1.1	13.1	21.3	.0	.0	.0	35.5	
5-6	.4	2.1	15.6	1.1	1.1	.0	20.2	
7			3.9	2.1	.0	.0	6.4	
8-9	.0	.4		1.1	.0	.0	2.1	
	.0	.0	1.1	1:17	.0	.0	.7	
10-11	.0	.0	.0					
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
•					•			282
TOT PCT	7.1	40.1	46.8	5.0	1.1	.0	100.0	
				4				

PERIOD: (OVER-ALL) 1949-1972 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 87+ TDTAL
.0 105
.0 103
.0 102
.0 48
.0 32
.0 13
.0 35
.0 438
.0 100.5 PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT .9 .0 .0 .0 .0 .0 1-2 3-4 3.9 6.8 8.0 .9 .7 2.3 103 23.5 7 8-9 10-11 MEAN HGT 4 5 6 7 8 8 5 3.2 5.0 5.5 4.1 1.1 2.7 2.3 96 21.9 .0 1.1 4.1 3.2 2.1 .9 .7 .53 10.7 8.2 2.1 .7 .5 .0 .7 100 22.8 5.3 1.1 .7 .2 .0 .0 .9 36 8.2 .0 1.1 1.8 1.1 1.1 .0 .0 23

TABLE 1

AREA 0019 SHARK BAY 25,45 111.6E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE											WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	S I G WEA
N	11.4	5.7	.0	•0	•0	.0	.0	17.1	4.9	2.0	.0	.0	2.4	.0	75.6
NE	6.7	.0	.0	• 0	• 0	.0	-0		1.1				.4		
E	4.0	.0	.0	.0	• 0	.0	- 0	4.0		1.9	.0	.0	.0	.0	93.1
SE	. 8	.0	2.5	.0	.0	.0	• 0	2.6	.8	.0	.0	.0	.0	.6	96.0
S	2.5	2.3	.7	.0	.0	.0	- 0	5.5	5.9	. 5	. 5	.0	.0	.0	87.7
SW	3.3	11.5	1.3	.0	.0	.0	.0	16.0	1.0	. 8	. 5	.0	.0	.0	81.7
W	1.3	13.5	1.3	.0	.0	.0	.0	16.0	3.8	1.0	.0	.0	.0	.0	79.2
NW	5.3	4.5	.0	.0	.0	.0	.0	9.7	12.1	1.6	.0	.0	.0	.0	76.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	91.7
TOT PCT	3.2	4.1	1.0	.0	•0	.0	-0	8.1	3.5	. 8	.1	.0	. 1	.1	87.2

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	4.3 3.5 2.2 2.6	3.8 4.0 3.3 5.1	1.0	.0	.0	.0	.0	9.1 7.5 5.4 10.3	2.9 4.6 3.3 3.2	.0 1.6 1.9	.0	.0	.5	.5 .0 .0	87.0 87.9 89.7 84.6
TOT PCT	3.2	4.0	1.0	.0	•0	.0	•0	8.0	3.5	. 8	. 1	.0	. 1	•1	87.4

TABLE 3

PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

					-					and seem admitted							
		WI	ND SPE	ED (KN	DTS)								HOUR	(GMT)			
WNU DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.6	1.9	2.0	.3	.0	.0		4.9	11.3	3.6	7.5	5.6	4.8	5.0	2.9	5.0	5.4
NE	.3	4.1	2.4	.2	.0	.0		7.0	9.7	7.2	13.8	10.4	6.0	5.1	4.8	6.3	3.9
E	. 5	4.8	7.0	. 8	.0	.0		13.1	12.4	16.6	19.2	14.6	8.4	8.5	5.8	13.3	16.8
SE	. 8	8.8	11.3	1.9	.0	.0		22.7	12.7	22.0	21.7	20.1	21.6	22.6	33.7	24.4	25.4
5	. 8	7.1	8.6	. 8		.0		17.4	12.2	14.3	10.4	14.3		25.1	26.0	16.2	12.1
SW	. 1	5.6		2.4		.0		15.0	14.6	14.7	9.2	15.1	20.2		15.4	14.8	16.1
W	. 3	2.9	5.1	1.9		.0		10.6	16.0	11.9	12.1	10.1	10.6	10.3	5.8	9.9	
NW	. 2	3.2	3.4	1.0		.0		7.8	13.3	8.9		8.5	4.0		5.8	9.2	
VAR	.0	.0	.0			.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5
CALM	1.3							1.3	.0	.9	.0	1.3	3.2	2.2	.0	. 9	. 7
TOT UBS	80	600	723	145	14	0	1562	• • • •	12.8	330	60	307	125	324	52	224	140
TOT PCT	5.1					-0		100.0	-								100.0

					TAB	LE 3A						
		WIND	SPEED	(KNDTS)						HOUR	(GMT	,
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	11
						DBS	FREQ	500	03	09	15	5.
N	1.0	2.6	1.2	.0	.0		4.9	11.3	4.2	5.4	4.7	5.
NE	2.1	4.3	.6	. 1	.0		7.0	9.7	8.2	9.1	5.1	5.
E	2.0	7.7	3.3	.1	.0		13.1	12.4	17.0	12.8	8.1	14.
SE	3.6	12.6	6.2	.3	.0		22.7	12.7	21.9	20.5	24.1	24.
SE	3.1	9.7	4.4	.3	.0		17.4	12.2	13.7	16.3	25.2	14.
SW	1.8	7.6	4.2	1.3	.1		15.0	14.6	13.8	16.6	14.2	15.
W	1.2	4.5	3.7	. 9	. 2		10.6	16.0	11.9	10.2	9.6	10.
NW	1.1	4.3	2.1	.3	.0		7.8	13.3	8.5	7.2	7.0	8.
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
CALM	1.3						1.3	• 0	. 8	1.9	1.9	
TOT DAS	270	834	402	52	4	1562		12.8	390	432	376	36
TOT PCT	17.3	53.4	25.7	3.3	.3		100.0		100.0		100.0	

JUNE

PERIOD: (PRIMARY) 1912-1969 (DVER-ALL) 1859-1969

AREA 0019 SHARK BAY 25.45 111.6F

PERCENTAGE	FREQUENCY	DF	WIND	SPEED	BY	HOUR	(GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	25-33	34-47	48+	MEAN	FREQ	OBS
00803	.8	4.4	38.7	45.4	10.3	5	.0	12.8	100.0	390
90300	1.9	3.5	33.6	50.5	10.2	.5	.0	13.1	100.0	432
12615	1.9	4.5	43.4	42.8	6.4	1.1	.0	12.0	100.0	376
18821	. 8	2.7	38.7	45.9	10.2	1.6	.0	13.3	100.0	364
TOT	21	59	600	723	145	14	0	12.8		1562
PCT	1.3	3.8	38.4	46.3	9.3	. 9	.0		100.0	

	CT FRE			DIREC		(EIGHTHS)	PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION											
WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL	CLOUD COVER	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7 999	8000+	NH C5/8 ANY HGT	TUTAL DBS
N	1.2	1.0	.9	1.2		4.4	.0	.0	. 2	.1	.8	.1	.3	.0	.0	.0	2.7	
NE	4.6	1.4	1.4	1.4		3.3	.0	.0	.0	. 2	.5	1.4	. 1	.0	.0	.0	5.7	
E	6.5	2.4	3.0	1.1		3.1	.0	.0	. 2	. 2	1.2	1.3	. 1	.0	.2	.0	9.9	
SE	8.0	5.1	7.8	3.0		4.1	.0	.0	. 2	. 4	4.0	2.7	.7	. 3	.0	.3	15.4	
5	4.2	4.1	4.2	3.3		4.3	. 2	.0	. 1	1.0	2.5	1.2	. 9	. 6	.0	.0	9.4	
SW	3.6	4.3	5.2	1.0		4.1	.2	.0	*	. 4	3.0	. 5	. 4	. 1	.0	.0	9.5	
W	1.3	2.8	3.4	1.4		4.8	. 2	.0	.0	. 1	1.2	1.6	. 2	.0	.0	.0	5.5	
NW	2.8	2.2	3.3	1.2		4.3	.0	.0	.0	.4	1.6	1.4		.0	.0	.0	6.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.4	. 2	.2	.0		1.6	.0	.0	• 0	.0	.0	. 2	.0	• 0	.0	. 0	1.6	
TOT OBS	193	134	169	78	574	4.0	3	0	4	16	85	59	16	6	1	2	382	574
TOT PCT	33.6	23.3	29.4	13.6	100.0		.5	• 0	.7	2.8	14.8	10.3	2.8	1.0	• 2	. 3	66.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	()			
CEILING	- DR	- DR	= DR	= OR	= DR	= DR	- DR	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR >6500	.5	.5	.5	.5	.5	.5	.5	.5
OR >5000	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.6
DR >3500	4.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3
DR >2000	13.3	14.6	14.6	14.6	14.6	14.6	14.6	14.6
DR >1000	25.3	28.6	29.1	29.3	29.3	29.3	29.3	29.3
DR >600	26.7	31.0	31.9	32.1	32.1	32.1	32.1	32.1
OR >300	26.9	31.4	32.6	32.8	32.8	32.8	32.8	32.8
OR >150	26.9	31.4	32.6	32.8	32.8	32.8	32.8	32.8
OR > 0	27.0	31.7	32.9	33.1	33.1	33.1	33.3	33.3
TOTAL	156	183	190	191	191	191	192	192

TOTAL NUMBER OF DBS: 577 PCT FRED NH <5/81 66.7

TABLE 7A

PERCENTAGE FRED OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCU UBS 11.5 15.7 15.3 13.3 10.6 8.4 8.6 5.5 10.7 .3 616

PERICD:	(PRIMARY)	1912-1969
	(CVER-ALL)	1859-1969

TABLE 8

AREA 0019 SHARK BAY 25.45 111.6F

ALL)	1859-1969						TA	BLE 8					25
		P	ERCENT	FREO PREC	OF WIN	D DIRE	CIION TH VAR	VS DCC RYING V	URRENCE ALUES	E OR N	IBILI	CURRENC TY	E DF
VSBY		11	NE	€	SE	5	5 W	¥	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
<1/2	NO PCP	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	
12/20/10/20	TOT %	.0	.0	.0	.0	.0	. 1	.0	.0	.0	.0	. 1	
	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/24	1 NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	. 1	.0	.0	.0	.0	.1	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	. C	.0	.0	.0	
	TOT #	.0	.0	.0	.0	.0	. 1	.0	.0	.0	.0	.1	
	PCP	• 1	•1	.0	.1	.2		.3	.1	.0	.0	1.1	
2<5	NO PCP	.0	.0	.0	. 2	.2	. 2	.4	. 1	.0	.0	1.1	
	TOT %	• 1	• 1	.0	.3	. 5	. 2	.7	.3	.0	.0	2.2	
	PCP	.4	.2	. 1	.0	.5	1.5	.7	.3	.0	.0	3.7	
5<10	NO PCP	. 8	. 9	1.2	1.9	1.9	1.8	1.0	1.2	.0	. 1	10.8	
	TOT %	1.2	1 • 1	1.4	1.9	2.4	3.3	1.7	1.5	• 0	. 1	14.5	
	PCP	. ?	. 3	.4	. 5	. 1	.4	. 8	.4	.0	.0	3.1	
10+	NO PCP	2.8	7.4	11.5	20.1	12.4	9.8	7.8	6.5	.0	1.5	79.9	
	TOT %	3.0	7.7	11.9	20.6	12.6	10.2	8.5	6.9	.0	1.5	83.0	
	TOT OBS												712
	TOT PCT	4.3	8.9	13.3	22.8	15.4	14.0	11.0	8.7	• 0	1.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY														
VSBY (NM)	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	• 0	.0	.0	.0	. 1	.0	.0	.0		.1		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	•0	.0	.0	.0	. 1	.0	.0	.0	.0	.1		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.2	.0	.0		. 2		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	•0	.0	.0	.0	.0	.2	.0	.0	.0	.2		
	0-3	. 1	•0	.0	*	.1	.0	.0	.0	.0	.0	.2		
1<5	4-10	. 1	.0	.0	.0	. 2	. 2	. 1		.0		. 5		
	11-21	.0	.0	.0	. 1	*	. 2	.0	.0	.0		. 3		
	22+	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	. 1	•0	.0	. 1	.3	.4	. 1	•	.0	.0	1.0		
	0-3	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	4-10	.0	• 0	.0	. 1	.3	. 2	.2	. 2	.0		. 9		
	11-21	. 1	• 0	.0	. 1	.0	.1	. 2	.0	.0		.4		
	22+	.0	• 1	.0	.0	. 2		. 1	.0	.0		. 3		
	TOT %	. 1	• 1	.0	. 2	.3	.3	.5	. 2	.0	.0	1.6		
	0-3	.1	• 1	.0	.4	.6	.0	.0	.0	.0	. 3	1.5		
5<10	4-10	1.0	1.7	1.7	2.7	3.3	1.4	. 9	1.1	.0		13.8		
	11-21	. 6	1 . 1	2.6	4.9	3.1	2.3	1.6	1.3	.0		17.7		
	22+	. 4	• 1	4.5	. 8	.5	2.0	1,5	.2	.0		5.6		
	TOT ¥	2.3	3.0	4.5	8.8	7.6	5.6	4.0	2.6	.0	.3	38.7		
	0-3	.4	• 3	.6	.5	.3	.1	.4	. 2	.0	1.1	3.8		
10+	4-10	1.2	3.0	3.5	6.3	3.6	3.6	1.8	2.0	.0		24.9		
	11-21	. 8	1.8	3.8	6.5	5.1	2.9	3.3	2.1	. 0		26.1		
	22+	. 1	.0	.6	. 9	. 2	.7	.7	. 5	.0	100	3.7		
	TOT %	2.4	5.0	8.3	14.2	9.1	7.3	6.1	4.8	.0	1.1	58.5		
Ţ	OT DAS												1195	
1	OT PCT	4.9	8 . 1	12.8	23.3	17.3	13.6	10.9	7.6	.0	1.4	100.0		

								JU	NE					
PERIOD:		12-1969 59-1969						TABLE	10			AF		SHARK BAY .45 111.68
				PER	CENT F			CEILIN			EET, NH	>4/8) 4	IND	
	HOU (GM			300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
	300	03 .0	0	•6	1.9	18.8	7.5	1.9	.6	.0	.0	31.9	68.1	160
	360	09 .	.0	•0	3.9	13.7	9.8	5.9	.0	.0	.7	34.6	65.4	153
	126	15 .0	.0	.7	2.0	11.3	9.3	1.3	1.3	.0	.0	26.0	74.0	150
	186	21 .	.0	1.4	2.9	12.3	13.0	1.4	2.2	.7	.7	35.5	64.5	138
	TO PC		0.0	.7	2.7	14.1	9.8	2.7	1.0	.2	.3	192 31.9	409 68.1	601 100.0

				TABLE 1	1						TABLE	12		
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT		1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
0080	.0	.3	.9	2.4	36.2	60.2	334	60300	.6	1.3	5.1	27.5	67.3	156
0660	4	.4	1.4	.0	33.6	64.3	283	90300	.7	.7	4.8	31.5	63.7	146
1261	.0	.0	1.5	1.8	44.3	52.3	327	12815	.0	.7	3.5	23.8	72.7	143
1862	0	.0	•0	2.2	41.8	56.0	275	18821	. 8	2.3	5.3	31.8	62.9	132
TOT	1	.2	12	20	476		1219	TOT PCT	3	7	27	165	385	577 100.0

				т.	ABLE 13	3									TABL	E 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIVE	HUMI	DITY BY	TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-69	90-100	DBS	FREQ	N	NE	E	SE	- 5	SW	W	NW	VAR	CALM
80/84	.0	.0	.0	.0	.0	. 2	.0	.0	2	. 2	.0	.0	.0	.1	.0	.0	.0	. 1	.0	.0
75/79	.0	.2	. 2	.6	1.7	1.7	.5	. 2	51	5.2	.9	1.1	.5	. 5	.7	. 1	. 4	. 9	.0	• 2
70/74	.0	.2	.9	3.3	9.1	8.2	4.1	1.0	266	26.9	2.8	3-4	3.3	5.4	3.1	3.3	1.6	3.3	.0	. 7
65/69	.0	.0	. 8	8.2	16.6	16.2	8.3	3.2	527	53.3	1.5	3.6	6.7	12.1	10.9	8.5	6.1	3.3	.0	. 5
60/64	.0	.0	. 1	1.4	4.1	4.0	3.3	. 5	134	13.6	. 1	. 4	2.0	4.7	2.5	2.3	1.2	. 4	.0	.0
55/59	.0	.0	.0	.1	. 2	.1	.1	.3	8	.8	.0	.0	. 2	. 2	.0	. 2	. 2	. 0	.0	. 1
TOTAL	0	4	20	135	314	301	162	52	988	100.0										
PCT	.0	.4	2.0	13.7	31.8	30.5	16.4	5.3	*		5.1	8.5	12.7	23.0	17.1	14.5	9.5	8.1	.0	1.5

55/5'		0 .0	20	135	314	301			3	988	100.0	•0	.0	.2	.2	.0	.2	. 2	.0 .	0 .1
PCT	•	0 .4	2.0	13.7	31.8	30.5		4 5.	3			5.1	8.5	12.7	23.0	17.1	14.5	9.5 8	•1 •	0 1.5
				TABL	F 15											TABL	E 16			
	MEANS,	EXTREME	S AND	PERCENT	ILES C	F TEM	P (DE	G F) B	Y HC	UR			PERC	ENT FRE	QUENCY	DF RE	LATIVE	HUMIDITY	BY 400	R
HOUR (GMT)	MAX	99%	95%	50%	5%	14	, WIN	MEAN	TOT			HOUR (GMT)	0-29	30-59	60-69	70-7	9 80-8	9 90-100	MEAN	TOTAL
00603	88	81	75	67	62	59	57	68.0	3	85		60300	.0	13.1	32.6	26.	6 21.	3 6.4	72	267
06809	87	81	77	69	63	61	59	69.3	4	14		06609	.0	22.3	34.9	25.	8 13.	1 3.9		229
12615		79	76	68	63	61	53	68.5	3	373		12815	.0	19.3	27.5	36.	4 12.	3 4.5	59	269
18621	76	75	73	67	62	60	59	67.1	3	164		18821	.0	10.6	31.4	32.	7 18.	4 6.9	72	245
TOT	88	80	75	68	62	60	53	68.3	15	36		TOT	0	164	318					1010

PERIOD: (PRIMARY) 1912-1969 (DVER-ALL) 1859-1969

TABLE 17

AREA 0019 SHARK BAY 25.45 111.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

							-				
AIR-SEA	57	51	65	69	73	77	81	85	TOT	W	WQ
TMP DIF	60	54	68	72	76	80	84	88		FDG	FOG
9/10	.0	.0	.0	.2	.2	.0	.0	. 2	3	.0	.5
7/8	.0	.0	.0	.3	.3	.0	. 3	.0	6	.0	1.0
6	.0	.0	.0	.0	. 2	. 3	.0	.0	3	.0	.5
5	.0	.0	.0	.0	.0	.7	.0.	.0	3 5 6	.0	. 8
4	.0	.0	.0	. 3	. 2	. 5	.0	.0	6	.0	1.0
3	.0	.0	. 2	. 8	.7	. 5	. 5	.0	14	.0	2.4
2	.0	.0	. 5	1.0	. 8	. 3	.0	.0	16	.0	2.7
1	.0	.0	. 8	1.2	1.7	1.0	.0	.0	28	.0	4.7
5 4 3 2 1 0	.0	.3	1.0	2.2	2.7	.5	.0	.0	40	.0	6.8
-1	.0	.0	2.7	3.7	2.4	. 8	.0	.0	57	.0	9.6
-2	.0	.5	3.0	4.7	2.2	.0	.0	.0	62	.0	10.5
-3	.0	. 2	5.2	3.2	1.9	.0	.0	.0	62	.0	10.5
-4 -5	. 2	.7	5.8	3.4	1.0	.0	.0	.0	63	.0	10.7
-5	.0	.7	5.8	3.6	.3	.0	.0	.0	61	.0	10.3
-6	. 3	.0	4.7	2.9	.5	.0	.0	.0	50	. 2	8.3
-7/-8	.0	1.7	6.9	1.9	.5	. 2	.0	.0	64	.0	10.8
-9/-10	.0	1.0	2.5	.7	. 2	.0	.0	.0	26	.0	4.4
-11/-13	. 2	1.4	1.7	. 2	.0	.0	.0	.0	20	.0	3.4
-14/-16	.0	. 5	. 2	.0	.0	.0	.0	.0	4	.0	. 7
-17/-19	. 2	.0	.0	.0	.0	.0	.0	.0	1	.0	. 2
TOTAL	5		243		91		4			1	590
		39		179		29		.2	591		
PCT	. 8	6.6	41.1	30.3	15.4	4.9	. 7	. 2	100.0	. 2	99.8

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 22-33 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 22 33-25 26-32 33-40 61-70 71-86 87+ 1-3 48+ 1-3 48+ HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 24-32 24-48 49-60 61-70 71-86 87+ TOT PCT 27-33 34-47 48. 1-3 11-21 34-47

2521024	1045			24.0					JU	INE					0010		
PERIOD:	CUVE	(-ALL)	1963-1	404				TABLE	18 (CONT				AREA		SHARK B	
								IABLE	10 (45 111	. u c
				PC	T FREQ	DF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
				5									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1	.0	. 2	.0	.0	.0	.0	. 2			.0	. 8			.0	.0	. 8	
1-2	. 2	3.5	.6	.0	.0	.0	4.3			. 1	2.7			.0	.0	3.1	
3-4	.0	2.6	2.1	.0	.0	.0	4.8			.0	2.9			.0	.0	5.2	
5-6	.0	.6	3.3	.0	.0	• 0	3.9			.0	. 3			.0	.0	1.5	
7	.0	.0	.6	.0	.0	• 0	.6			.0	.0		.3	.0	.0	1.7	
8-9	.0	.0	. 9	.0	.0	• 0	. 9			.0	. 3			.0	.0	1.2	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	• 0	.0	.0			.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.1	.0	.7	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	• 0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	• 0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	• 0	.0			.0	.0			.0	.0	.0	
49-60 61-70	.0		.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0		.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.0	6.9	7.5	.0	.0	.0	14.6			.1	7.1		1.1	.1	.0	14.2	
101 -01	• 2	0.7		••	•••	• • •	14.0			•••						1416	
				W 03									NW				PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	PCI
<1	. 3	. 2	.0	.0	•0	•0	.6			.0	1.9			.0	.0	.0	
1-2	.0	1.6	2.8	.0	.0	•0	1.6			.1	1.9			.0	.0	3.3	
5-6	.0	1.3	1.9	.0	.0	•0	4.1			.0	.3		.7	.0	.0	2.9	
7	.0	.0	.0	.2	.0	•0	2.2			.0	.0			.0	.0	. 8	
8-9	.0	.0	.0	.2	.0	.0	.2			.0	.0			.0	.0	1.0	
10-11	.0	.0	.0	.7	.0	.0	.7			.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.3	
13-16	.0	.0	.0	.0	.2	.0	.2			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	. 0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	• 0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	. 0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	•0	.0			.0	. 0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	. 0	, 0		.0	.0	.0	
71-86	.0	. 0	.0	.0	.0	.0	.0			.0	.0	.0		. 0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	. 3	3.5	4.7	1.2	• 5	•0	10.0			• 1	4.1	6.5	2.1	.0	.0	12.8	98.0

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.9	2.3	.0	.0	.0	.0	5.2	
1-2	1.3	23.9	4.2	.0	.0	.0	29.4	
3-4	.7	13.1	20.6	1.0	.0	.0	35.3	
5-6	.0	2.6	13.4	1.3	.0	.0	17.3	
7	.0	.0	4.2	1.6	.0	.0	5.9	
8-9	.0	. 3	2.0	2.0	.0	.0	4.2	
10-11	.0	.0	.0	1.3	.0	.0	1.3	
12	.0	.0	.0	.3	.0	.0	.3	
13-16	.0	.0	.0	.7	.3	.0	1.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								306
TOT PCT	4.9	42.2	44.4	8.2	.3	.0	100.0	

PER	ico:	(DVE	R-ALI	194	9-1969	,				TABLE	19											
						PERCEN	T FRE	QUENCY	OF WA	VE HEI	SHT (F	r) vs	WAVE P	ERIDO	SECON	05)						
PER I		<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	874	TOTAL	MEAN
<6		.7	5.8	8.1	1.3	1.1	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	80	3
6-7		.0	.4	8.8	9.7	2.7	2.2	1.6	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	119	5
8-9	9	.0	.0	.9	6.1	6.7	4.7	4.0	1.8	2.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	119	8
10-1	11	.0	.0	. 2	2.0	3.6	4.0	1.6	2.2	1.3	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	9
12-1		.0	.0	. 7	.7	.4	.2	. 9	. 2	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	8
>13	3	.0	.0	.0	.2	.0	.0	.9	. 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	10
INDE		1.3	. 9	1.1	.7	. 2	1.3	. 2	. 2	.0	.2	.0	.0	.0		.0	.0	.0	.0	.0	28	5
TOTA		9	32	88	92	66	58	43	30	18	9	0	0	0	0	0	0	0	0	0	445	6
PCT	1	2.0	7.2	19.8	20.7	14.8	13.0	9.7	6.7	4.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1884-1969 (OVER-ALL) 1861-1969

TABLE 1

AREA 0019 SHARK BAY 25.35 111.5E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			Р	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	SIG WEA
N	2.9	6.7	.0	.0	•0	.0	.0	9.6	10.6	.0	.0	.0	.0	.0	79.8
NE	. 8	3.0	.0	.0	.0		.0	3.8	6.0	.0	.0	.0	.0	.0	90.2
E	.0	1.0	.0	.0	.0		.0	1.0	.0	1.0	.0	.0	.0	.0	98.0
SE	. 9	.0	.0	.0	.0		.0	. 9	1.5	.0	.0	.0	.0	.0	97.6
S	1.8	1.0	1.8	.0	.0		.0	4.6	1.8	.0	.0	.0	.0	.0	93.7
SW	.3	2.6	. 3	.0	.0		.0	3.3	4.3	.3	.0	.0	.0	.0	92.1
W	6.7	5.3	3.1	.0	.0	.0	.0	15.1	3.6	1.3	.0	.0	.0	.0	80.0
NW	7.0	.9	.9	.0	.0	.0	.0	8.8	11.4	.0	.0	.0	.0	.0	79.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	•0		.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.8	1.8	.7	•0	•0	•0	.0	4.3	3.0	.4	.0	.0	.0	.0	92.3

TABLE 2

PERCENT FREQUENCY OF WEATHER DECURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	2.5 .8 1.4 2.2	1.3 1.6 2.1 3.0	1.3 .8 .7	.0	•0	.0	.0	5.0 3.1 4.2 5.2	1.9 2.3 2.8 5.2	.0 .0 .7 .7	.0	.0	.0	.0	93.1 94.6 92.3 88.8
TOT PCT	1.8	2.0	.7	.0	.0	•0	.0	4.4	3.0	.4	.0	.0	.0	.0	92.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	IN SPE	ED (KN	TS)								HOUR	(GMT)			
WND DIR	0~3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	9	12	15	1.8	21
N NE	.1	2.2	2.1	.8	.0	.0		5.2	13.3	6.9	5.8	7.7	4.3	4.7 5.5	6.3	3.7	6.8
E	.5	7.8	7.6		.2	.1		17.7	12.7	21.9	18.3	19.3	15.1	13.5	11.3	19.2	16.5
SE	. 4	8.2	13.4		.1	.0		25.1	13.8	12.5	38.8	18.7	22.5	23.1	36.3	23.9	9.0
SW	.7	7.1	6.8		.4	.0		16.6	12.7	11.6	14.6	15.4	10.8	12.1	7.5	13.6	13.3
W	.4	2.5	3.8	1.7	. 2	.0		8.7	15.2	7.4	3.3	8.7	9.7	11.4	7.5	9.2	
NW VAR	. 5	2.0	3.0		. 1	.0		7.1	14.6	7.9	5.0	6.7	9.0	5.9	5.0	7.8	7.2
CALM	1.2	.0	•0	•0	.0	.0		1.2	.0	1.3	.0	.4	1.4	1.0	2.5	1.3	2.2
TOT OBS	67	552 37.8	633	194	1.0	. 1	1452	100.0	13.3	307	60	252	139	297	40	228	139

TABLE 3A

		WIND	SPEED	(KNDTS)						House	CGMT)
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
N. 18 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.						DBS	FREQ	SPO	03	09	15	21
N	.6	3.2	1.1	.3	.0		5.2	13.3	4.3	6.5	4.9	4.9
NE	1.6	3.5	. 4	. 4	.0		5,9	10.9	7.2	6.7	5.4	4.3
F	3.4	9.5	4.2	. 6	. 1		17.7	12.7	21.3	17.8	13.2	18.2
SE	3.5	12.5	8.2	. 9	.0		25.1	13.8	28.4	20.0	24.6	27.7
S	2.9	9.4	3.9	.5	.0		16.6	12.7	12.9	17.3	22.4	14.2
SW	1.9	6.3	3.4	. 9			12.6	14.2	10.7	14.3	11.6	13.5
W	1.0	4.0	2.9	.7			8.7	15.2	6.7	9.1	10.9	8.0
NW	1.3	3.0	2.4	. 4	.0		7.1	14.6	7.4	7.5	5.8	7.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	1.1	. 8	1.2	1.6
TOT DAS	255	751	387	67	2	1462		13.3	367	391	337	367
TOT PCT	17.4	51.4	26.5	4.6	. 1		100.0			100.0		

			v	

PERIOD: (PRIMARY) (OVER-ALL)	1884-196 1861-196						TABLE 4				AREA 0019	SHARK BAY 5.35 111.5F
			PER	ENTAGE	FREQUI	ENCY OF	WIND SP	EED BY	HOUR	(GMT)		
	HOUR	CALM	1-3	4-10			(KNOTS) 34-47	48+	MEAN	PCT	TOTAL	
	00603 06609 12615 18621 TOT PCT	1.1 .8 1.2 1.6 17	2.7 4.9 3.3 2.7 50 3.4	40.9 34.3 45.7 31.1 552 37.8	43.3 43.7 38.6 47.1 633 43.3	10.6 15.3 10.4 16.3 194	1.0 .9 .8 15	.0	13.5	100.0 100.0 100.0 100.0	367 391 337 367 1462	

			Τ,	ABLE 4								T	BLE 6					
P	CT FRE			CLOUD A		EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 £ DBSCD	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	999	1000	2000 3499	3500 49 9 9	5000 6499	6500 7 999	8000+	NH <5/8 ANY HGT	TOTAL DBS
N	1.9	.6	1.5	.4		3.8	.0	.0	.0	. 2	.2	.5	. 2	. 2	.0	.0	3.2	
NE	1.4	.5	1.9	.7		4.3	.0	.0	.0	. 4	. 9	.1	. 3	.0	.0	.0	2.8	
E	11.3	3.0	3.5	. 5		2.1	.0	.0	.0	.6	.3	.9	1.1	.0	.0	. 4	14.9	
SE	15.5	2.6	4.1	1.5		2.4	.0	.0	.0	.0	1.5	1.3	1.0	• 1	.0	. 3	19.6	
S	6.8	3.4	5.6	2.0		3.8	.0	.0	.0	. 5	2.7	2.5	.7	. 5	. 2	.0	10.6	
SW	3.5	3.8	5.2	1.9		4.4	.0	.0	.0	. 6	3.2	1.6	. 7	. 2	.0	.0	8.0	
W	1.9	2.8	3.2	2.5		4.9	.0	.0	. 2	1.1	2.2	. 5	. 9	.0	.0	.0	5.5	
NW	1.1	1.2	2.7	. 5		4.7	.0	.0	.0	.4	1.2	. 2	. 4	.0	.0	.0	3.2	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.1	.0	.0	.0		.4	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	1.1	
TOT OBS	209	84	130	47	470	3.4	0	0	1	18	57	36	25	5	1	3	324	470
TOT PCT	44.5	17.9	27.7	10.0	100.0		.0	• 0	. 2	3.8	12.1	7.7	5.3	1.1	. 2	.6	68.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH)4/8) AND YSBY (NH)

					VSBY (NM)			
CFIL	ING	• OR	· DR	= DR	= DR	= DR	= 7R	- DR	. DR
(FEF	T)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
- DR >6	5500	.8	.8	.8	.8	.8	.8	.8	.8
. DR >	5000	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
. DR >3	3500	6.8	7.2	7.2	7.2	7.2	7.2	7.2	7.2
• DR >2	2000	14.0	14.6	14.6	14.9	14.9	14.9	14.9	14.9
- OR >1	1000	24.0	26.5	26.8	27.0	27.0	27.0	27.0	27.0
= DR >6	500	26.5	29.9	30.6	30.8	30.8	30.8	30.8	30.8
# OR >3	300	26.8	30.1	30.8	31.0	31.0	31.0	31.0	31.0
. DR >1	150	26.8	30.1	30.8	31.0	31.0	31.0	31.0	31.0
• DR >	0	26.8	30.1	30.8	31.0	31.0	31.0	31.0	31.0
Tr	TAL	126	142	145	146	146	146	146	146

TOTAL NUMBER OF DBS: 471 PCT FRED NH 45/8: 69.0

TABLE 7A
PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCO DBS 20.3 18.0 12.0 10.2 7.1 7.9 7.5 8.3 8.7 .0 518 PERICO: (PRIMARY) 1884-1969 (OVER-ALL) 1861-1969

TABLE 8

AREA 0019 SHARK BAY 25.35 111.5E

		P	ERCENT	PREC	OF WIN	D DIRE	TH VAR	VS OCC	ALUES	E OR N	IBILI	CURRENC	E OF
SBY NM)		11	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT X	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12<1		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	. 2	.0	.0	.0	.2	
<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT \$	• 0	.0	.0	.0	.0	.0	. 2	.0	.0	.0	. 2	
	PCP	.0	.0	.0		.1	.0	.4	.0	.0	.0	.5	
<5	NO PCP	• 0	. 2	. 1	.0	. 1	*	.0	.0	.0	.0	.5	
	TOT ¥	.0	• 2	. 1	*	.3	*	. 4	.0	.0	.0	1.1	
	PCP	.3	. 2	.0	. ?	. 4	.1	.6	. 2	.0	.0	2.0	
<10	NO PCP	. 3	. 7	2.3	2.4	1.3	1.6	. 8	. 2	.0	.0	9.6	
	TOT %	.6	. 8	2.3	5.0	1.7	1.6	1.4	. 4	.0	.0	11.6	
	PCP	• 1		.2	.0	.3	.4	.4	. 2	.0	.0	1.6	
0+	NO PCP	3.9	4.8	15.6	21.2	15.3	11.4	7.7	4.4	.0	1.2	85.6	
	TOT %	4.0	4.8	15.8	21.2	15.6	11.7	8.1	4.7	.0	1.2	87.2	
	TOT DBS												56
	TOT PCT	4.6	5.9	18.2	23.9	17.6	13.4	10.0	5.1	.0	1.2	100.0	

TABLE 9

VSBY (NM)	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	003
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	•••	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.1	. 1	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.1	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	. 1	.0	.0	.0	.0		.1	
	TOT %	.0	•0	. 1	. 2	. 1	.0	.0	.0	.0	•0	.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	. 2	.0	.0	.0	.0	.0		. 2	
	11-21	. 1	*	.0	. 2	*	.0	.0	.0	.0		: 4	
	22+	.0	• 1	.0	. 1	.1	.2	. 1	.0	.0		. 7	
	TOT %	. 1	• 1	.0	.5	.2	.2	.1	.0	.0	.0	1.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	• 1	. 1	.0	.1	*	.0	.0	.0		.3	
	11-21	.0	• 0	.0	*	-1	.0	. 2	.0	.0		. 3	
	22+	.0	• 1	.0	.0	.0	.0	.0	.0	.0		:17	
	FOT %	.0	• 2	. 1	*	.1	*	. 2	.0	.0	.0	.7	
	0-3	.0	• 1	.0	.2	. 2	.1	. 1	: 1	.0	. 2	1.0	
5<10	4-10	.6	. 9	4.3	3.8	2.4	1.1	. 8		.0		14.7	
	11-21	.9	1.2	2.6	5.3	2.8	2.1	. 8	. 6	.0		16.7	
	22+ TOT %	1.8	2.4	7.3	1.0	6.0	3.8	2.3	1.9	.0	. 2	36.0	
	0-3	. 1	.2	.4	. 4	. 6	.3	.4	.4	.0	. 8	3.7	
10+	4-10	1.7	2.1	5.0	5.5	6.1	4.3	1.8	. 9	.0		27.3	
	11-21	1.0	1.0	4.6	9.7	4.2	2.4	2.5	1.3	.0		26.9	
	22+	.0	. 1	. 5	. 5	. 5	1.0	. 5	.5	.0		3.7	
	TOT %	2.8	3.5	10.5	16.1	11.4	6.1	5.2	3.2	.0	. 8	61.6	
	OT DAS												1003
	DT PCT	4.8	6.3	17.9	27.1	17.8	12.2	7.8	5.1	.0	1.0		1003

JULY

(DVER-ALL) 1861-1969		-1969
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TABLE 10

AREA 0019 SHARK BAY 25.35 111.5E

CENT	FREQUENCY	DF (CEILI	NG	HE I GH	rs	(FEET, NH	>4/81	AND
	DCCUP	REN	CE OF	NH	<5/8	BY	HOUR		

HOUR	000	150	300	600	1000	2000	3500 4999	5000	6500	8000+	TOTAL	NH <5/8	TOTAL
(GMT)	149	299	599	999	1999	3499	4777	0477	1977			ANT HOT	DBS
00803	.0	.0	.0	2.9	13.6	10.7	7.1	.7	.0	.7	35.7	64.3	140
05609	.0	.0	•0	2.4	12.2	7.3	4.1	1.6	. 8	. 8	29.3	70.7	123
12815	.0	.0	.8	4.2	7.6	3.4	1.7	.8	.0	.8	19.5	80.5	118
18821	.0	.0	.0	5.2	12.2	7.0	7.0	.9	.0	.0	32.2	67.8	115
TOT	.0	.0	.2	18	57 11.5	36 7.3	25 5.0	1.0	.2	.6	146	350 70.6	496

TABLE 11

TABLE 12

		PERCENT	FREQUEN	ICY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	1 . 0	1.4	.3	37.9	59.4	293	00603	.0	.0	3.0	34.3	62.7	134
90360	.0	.0	1.3	.4	32.7	65.5	223	06609	.0	.0	2.6	28.2	69.2	117
12815	.0	.4	. 8	1.2	36.8	60.9	258	12615	.0	.9	6.3	14.3	79.5	112
18821	.0	.0	1.6	.8	38.9	58.7	247	18621	.0	.0	6.5	27.8	65.7	108
TUT PCT	.0	.4	13	.7	375 36.7	622	1021	PCT	.0	.2	4.5	125	325 69.0	471 100.0

TABLE 13

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP		
TEMP F	0-29	30-39	40-49					90-100	TOTAL DBS	FREQ
80/84	.0	.0	.0	.0	.1	.0	.0	.0	1	.1
75/79	.0	.0	.0	. 1	.2	. 2	.0	.0	5	.6
70/74	.0	.0	.6	2.2	3.7	4.3	2.2	.4	109	13.5
65/69	.0	. 1	2.9	9.4	18.2	18.0	6.3	2.6	464	57.5
60/64	.0	.0	. 9	3.3	10.2	6.6	4.0	.7	207	25.7
55/59	.0	.0	.0	.0	.1	1.5	1.0	.0	21	2.6
TOTAL	0	1	35	122	263	247	109	30	807	100.0
DCT	0	1	4 3	15 1	32 A	30 6	12 5	2 7		

TABLE 14

	PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTION	N BY T	EMP	
N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	. 1	.0	.0
.1	.0	.1	.0	. 1	. 2	. 1	*	.0	.0
1.3	1.4	2.7	1.3	2.3	1.4	1.7	1.4	.0	. 1
2.5	2.7	9.0	16.5	11.7	6.8	4.2	3.3	.0	. 7
.3	1.0	6.5	8.2	4.2	3.6	1.7	. 2	.0	.0
.0	.1	.7	1.2	.3	. 2	.0	.0	.0	.0
4.2	5.2	19.1	27.1	18.5	12.2	7.7	5.0	.0	. 9

TABLE 15

	MEANS	EXTREMES	AND	PERCENT	ILES	OF TEMP	(DE	5 F) B	Y HOUR
HEUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00603	82	77	73	66	60	58	56	66.0	367
12815	79 78	77	73	68	62	59	58	67.6	383
18621	74	73	70	65	60	57	56	65.4	356
TOT	82	75	73	66	61	58	56	65.5	1437

TABLE 16

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	17.9	31.3	34.2	14.2	2.5	59	240
06609	.0	27.1	32.2	26.0	9.0	5.6	57	177
12615	.0	21.8	34.5	27.7	11.2	4.9	58	206
18621	.0	13.2	32.5	33.0	19.3	2.0	71	197
TOT	0	162	267	250	111	30	59	820

PERIOD: (PRIMARY) 1884-1969 (DVER-ALL) 1861-1969

TABLE 17

AREA 0019 SHARK BAY 25.35 111.56

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

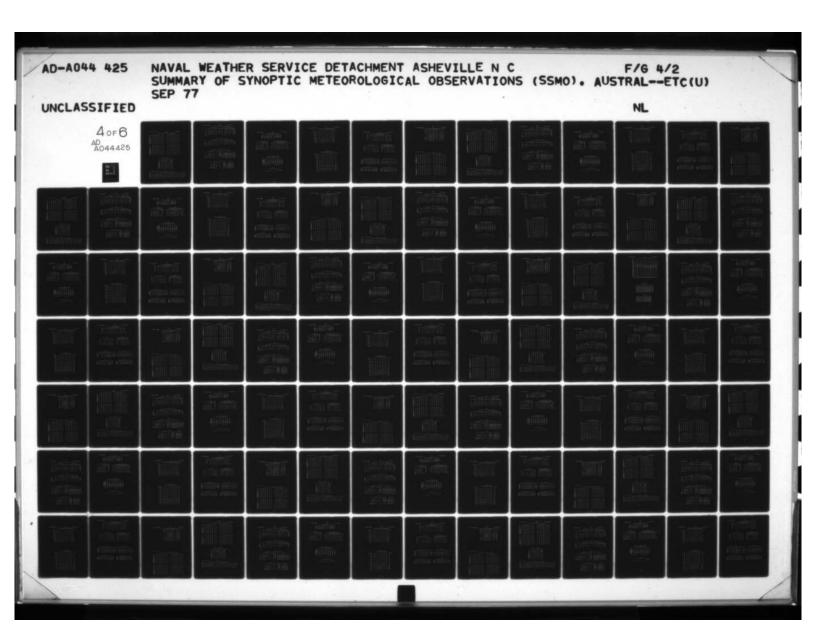
IR-SEA	57	61	65	69	73	77	81	TOT	W	WD
MP DIE	60	64	68	72	76	80	84		FOG	FDG
7/8	.0	.0	. 2	.0	.0	.0	.0	1	.0	. 2
6	.0	.0	. 2	. 4	.0	. 4	.2	6	.0	1.3
5	.0	.0	.0	.0	.0	. 2	.0	1	.0	. 2
4	.0	.0	. 2	. 2	.4	. 7	.0	7	.0	1.6
3	.0	.0	. 2	. 4	. 9	. 7	.0	10	.0	2.2
5 4 3 2	.0	.0	. 2	1.3	1.8	. 2	.0	16	.0	3.6
1	.0	. 4	1.6	1.1	. 2	.0	.0	15	.0	3.4
0	.0	. 4	2.2	3.6	. 7	.0	.0	31	.0	6.9
1 0 -1	.0	.0	3.8	5.4	1.3	.0	.0	47	.0	10.5
-2	.0	1.3	6.5	2.5	.7	.0	.0	49	.0	11.0
-3	. 2	. 9	5.1	3.6	. 4	.0	.0	46	.0	10.3
-4	.4	1.3	6.7	3.1	.0	.0	.0	52	.0	11.6
-5	.0	2.7	5.8	2.7	.0	.0	.0	50	.0	11.2
-6	.0	2.2	5.6	.2	.0	.0	.0	36	.0	8.1
-7/-8	. 4	4.0	6.7	. 2	.0	.0	.0	51	.0	11.4
-9/-10	.4	1.1	1.8	.0	.0	.0	.0	15	.0	3.4
-11/-13	.0	2.0	.7	.0	.0	.0	.0	12	.0	2.7
-14/-16	.0	. 4	.0	.0	.0	.0	.0	2	.0	.4
TOTAL	7		213		29		1		0	447
		76		111		10		447		
PCT	1.6		47.7		6.5	2.2	. 2	100.0		100.0

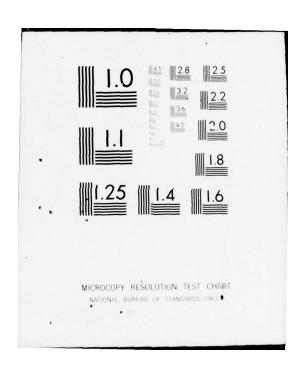
PERIOD: (UVER-ALL) 1963-1969

TABLE 18 PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

NE HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT

<1	.0	. 4	.0	.0	.0	.0	. 4	.0	. 4	.0	.0	.0	.0	. 4
1-2	.0	. 4	. 0	.0	• 0	.0	.4	.0	1.8	. 8	.0	.0	.0	2.6
3-4	.0	.7	.3	.0	.0	.0	1.0	.0	.1	.5	.0	.0	.0	.6
5-6	.0	.0	.0	. 3	.0	.0	.3	.0	. 4	. 8	. 1	.0	.0	1.3
7	.0	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.5	.6	.3	•0	.0	2.5	.0	2.7	2.2	.1	.0	.0	5.0
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.7	.0	.0	• 0	.0	2.1	.0	1.2	.0	.0	.0	.0	1.2
<1 1-2	.4	1.7	.0	.0			2.1		3.4	.0		.0	.0	1.2
1-2 3-4	.4	1.7 2.6 3.0	.0	.0	•0	•0	2.1 3.8 7.6	•0	1.2 3.4 1.4	6.9	.0	.0	.0	1.2 4.3 8.4
1-2 3-4 5-6	.4	1.7 2.6 3.0	.0 .8 4.6 3.4	.0	•0 •0 •0	.0	2.1 3.8 7.6 3.8	.0	1.2 3.4 1.4	6.9	.0	.0	.0	1.2 4.3 8.4 5.2
1-2 3-4 5-6 7	.4	1.7 2.6 3.0 .0	.0 .8 4.6 3.4	.0	.0	.0	2.1 3.8 7.6 3.8 2.6	.0	1.2 3.4 1.4 .0	6.9 5.2	.0	.0	.0	1.2 4.3 8.4 5.2 2.0
<1 1-2 3-4 5-6 7 8-9	.4	1.7 2.6 3.0 .0	.0 .8 4.6 3.4 1.9	.0	.0	.0	2.1 3.8 7.6 3.8 2.6	.0	1.2 3.4 1.4 .0	0.9 6.9 5.2 1.9	.0	.0	.0	1.2 4.3 8.4 5.2 2.0 1.8
11-2 3-4 5-6 7 8-9	.4	1.7 2.6 3.0 .0 .4	.0 .8 4.6 3.4 1.9	.0	.0 .0 .0 .0	.0	2.1 3.8 7.6 3.8 2.6	.0	1.2 3.4 1.4 .0	0.9 6.9 5.2 1.9 1.2	.0	.0	.0	1.2 4.3 8.4 5.2 2.0 1.8
<1 1-2 3-4 5-6 7 8-9 10-11	.4	1.7 2.6 3.0 .0 .4 .0	.0 .8 4.6 3.4 1.9	.0	.0 .0 .0 .0 .0	.0	2.1 3.8 7.6 3.8 2.6 .3 .7	.0	1.2	0.9 6.9 5.2 1.9 1.2	.0	.0	.0	1.2 4.3 8.4 5.2 2.0 1.8
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16	.4	1.7 2.6 3.0 .0 .4 .0	.0 .8 4.6 3.4 1.9 .0	.0	.0 .0 .0 .0 .0 .0	.0	2.1 3.8 7.6 3.8 2.6 .3 .7	.0	1.2 3.4 1.4 .0 .0	0.9 6.9 5.2 1.9 1.2	.0 .0 .0 .1 .1	.0	.0	1.2 4.3 8.4 5.2 2.0 1.8 .1
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19	.4	1.7 2.6 3.0 .0 .0 .0 .0 .0 .0 .0	.0 .8 4.6 3.4 1.9 .0	.0	.0	.0	2.1 3.8 7.6 3.8 2.6 .3 .7	.0	1.2 3.4 1.4 .0 .0 .0 .0 .0 .0 .0	0.9 6.9 5.2 1.9 1.2	.0	.0	.0	1.2 4.3 8.4 5.2 2.0 1.8 .1
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	.4	1.7 2.6 3.0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .8 4.6 3.4 1.9 .0	.0	.0 .0 .0 .0 .0 .0 .0	.00	2.1 3.8 7.6 3.8 2.6 .3 .7	.0	1.2 3.4 1.4 .0 .0 .0 .0 .0 .0 .0 .0	0.9 6.9 5.2 1.9 1.2	.0	.0	.0	1.2 4.3 8.4 5.2 2.0 1.8 .1
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.4	1.7 2.6 3.0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .8 4.6 3.4 1.9 .0	.0	.0	.0	2.1 3.8 7.6 3.8 2.6 .3 .7	.0	1.2	0.9 6.9 5.2 1.9 1.2 .0 .0	.0	.0	.0	1.2 4.3 8.4 5.2 2.0 1.8 .1
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.4	1.7 2.6 3.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	.0 .8 4.6 3.4 1.9 .0 .0	.0	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00000000000000000000000000000000000000	2.1 3.8 7.6 3.8 2.6 .3 .7	000000000000000000000000000000000000000	1.2	0 9 5 2 1 9 1 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0	.0	.0	1.2 4.3 8.4 5.2 2.0 1.8
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	.4	1.7 2.6 3.0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .8 4.6 3.4 1.9 .0 .0 .0	.00.00	.0	.0	2.1 3.8 7.6 3.8 2.6 .3 .7	000000000000000000000000000000000000000	1.2	0.9	.0	.0	.00	1.2 4.3 8.4 5.2 2.0 1.8
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48	.4	1.7 2.6 3.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	.0 .8 4.6 3.4 1.9 .0 .0 .0 .0	.00.00.00.00.00.00.00.00	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00000000000000000000000000000000000000	2.1 3.8 7.6 3.8 2.6 .3 .7 .0	000000000000000000000000000000000000000	1.2 3.4 1.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0995.2	.0	.0	.00000000000000000000000000000000000000	1.2 4.3 8.4 5.2 2.0 1.8 .1 .0 .0
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 49-60	.4	1.7 2.6 3.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	.0 .8 4.6 3.4 1.9 .0 .0 .0 .0	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	.0	.00000000000000000000000000000000000000	2.1 3.8 7.6 3.8 2.6 .3 .7 .0 .0	000000000000000000000000000000000000000	1.2 3.4 1.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.2	.0	.0	.00	1.2 4.3 8.4 5.2 2.0 1.8 .1 .0 .0
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.4	1.7 2.6 3.0 .0 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .8 4.6 3.4 1.9 .0 .0 .0 .0	.00	.0		2.1 3.8 7.6 3.8 2.6 .3 .7 .0 .0	000000000000000000000000000000000000000	1.2	0.00	.0	.0	000000000000000000000000000000000000000	1.2 4.3 8.4 5.2 2.0 1.8 .0 .0 .0
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 24-25 24-25 24-25 33-40 41-48 49-60 61-70 71-86	.4	1.7 2.6 3.0 4 0 .	.0 .8 4.6 3.4 1.9 .0 .0 .0 .0	.00	.0		2.13.87.663.82.663.800.0000000000000000000000000000000	000000000000000000000000000000000000000	1.2 3.4 1.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0.9	.0	.00	000000000000000000000000000000000000000	1.2 4.3 8.4 5.2 2.0 1.8 1.0 .0
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.4	1.7 2.6 3.0 .0 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .8 4.6 3.4 1.9 .0 .0 .0 .0	.00	.0		2.1 3.5 7.6 3.8 2.6 3.7 0.0 0.0 0.0	000000000000000000000000000000000000000	1.2	0.00	.0	.0	000000000000000000000000000000000000000	1.2 4.3 8.4 5.2 2.0 1.8 .0 .0 .0





									JUL	Y					400		
PERIOD:	COVE	R-ALL)	1963-1	969										AREA		SHARK B	
								TABLE	18 (C	UNT)					25.	35 111	1.56
				Pr	T FREC	OF WIND	SPEED	IVTS	AND D	TREC	TION	VERSUS	SEA HETO	HTS IFT	1		
						OF HIND	31660		4110				354 11215				
				5									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			-3	4-10		22-33	34-47	48+	PCT	
<1	.0	1.7	.0	.0	.0	.0	1.7			.0	1.2		.0	.0	.0	1.2	
1-2	. 4	2.7	1.1	.0	.0	.0	4.2			.0	3.8		.0	.0	.0	4.6	
3-4	.0	3.9	4.8	.0	• 0	•0	8.7			.0	2.1		.0	.0	.0	2.7	
5-6	.0	.0	1.7	.0	.0	.0	1.7			.0	. 5		.4	.0	.0	2.0	
7	.0	.0	.0	.6	• 0	• 0	. 6			.0	.0		. 6	.0	.0	1.0	
8-9	.0	.0	.3	.0	.0	.0	.3			.0	.0		.0	.0	.0	.5	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	• 0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.1	.0	. 1	
17-19	.0	.0	.0	.0	.0	•0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0		.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PET	. 4	8.3	7.9	.6	.0	.0	17.1			.0	7.6		1.0	.1	.0	12.2	
		0.5												• •	•••		
HGT	1-3	4-10	11-21	W 22-33	34-47	48+	PCT		1	-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.3	.0	.0	.0	.0	.0	.3			.1	.0		.0	.0	.0	.1	
1-2	.0	1.9	.8	.0	.0	.0	2.7			.0	. 4		.0	.0	.0	.8	
3-4	.0	1.1	2.5	.0	.0	.0	3.6			.0	1.7	1.7	.0	.0	.0	3.3	
5-6	.0	.7	2.7	.0	.0	.0	3.4			.0	.0		.8	.0	.0	1.8	
7	.0	.4	.4	.4	.0	.0	1.2			.0	.0		.0	.0	.0	.1	
8-9	.0	.0	.4	.0	.0	.0	. 4			.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.3	.0	.3			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0.	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	• 0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	• 0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	• 0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	•0	.0			• 0	2.0		.0	.0	.0	.0	
TUT PCT	.3	4.1	6.8	.4	. 3	.0	12.0			• 1	2.1	3.1	. 8	.0	.0	6.1	98.8

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TUT
<1	2.5	5.6	.0	.0	.0	.0	9.1	-00
1-2	. 8	15.9	5.8	.0	.0	.0	23.5	
3-4	.0	14.0	21.8	.0	.0	.0	35.8	
5-6	.0	1.6	15.6	2.1	.0	.0	19.3	
7	.0	. 8	4.9	2.1	.0	.0	7.8	
8-9	.0	. 4	2.5	.4	.0	.0	3.3	
10-11	.0	.0	.0	. 4	.4	.0	. 8	
12	•	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.4	.0	.4	-
17-19	.0	.0	.0	.0	.0	.0	.0	1
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	. 0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
97+	.0	.0	.0	.0		.0	.0	
								243
TOT PCT	3.3	40.3	50.6	4.9	.8	.0	100.0	
							-	

 PERIOD: (PRIMARY) 1907-1969 (OVER-ALL) 1859-1969

TABLE 1

AREA 0019 SHARK BAY 25.45 111.4E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

					Linearia		Little .	. nea							
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB 1 IME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	3.1	8.2	.0	.0	.0	.0	.0	11.3	11.3	.0	.0	.0	.0	.0	77.3
NE	.0	.0	4.6	.0	.0	.0	.0	4.6	.0	.0	2.3	.0	.0	4.6	88.5
E	1.5	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.7	.0	.0	.0	97.8
SE	1.1	1.4	.0	.0	.0	.0	.0	2.6	.4		.0	.0	.0	.0	96.4
S	. 7	1.0	2.0	.0	.0	.0	.0	3.7	2.7	.6	.0	.0	.0	.0	93.7
SW	.0	2.1	1.0	.0	.0	.0	.0	3.1	1.3	.0	.0	.0	.0	.0	95.6
W	5.6	7.7	2.8	.0	.0	.0	.0	16.1	.0	.0	.0	.0	.0	.0	83.9
NW	. 9	4.5	.0	.0	.0	.0	.0	5.4	4.5	.0	.0	.0	.0	.0	90.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
CALM	9.1	.0	.0	.0	.0	.0	.0	9.1	.0	9.1	.0	.0	.0	.0	81.8
TOT PCT TOT OBS:	1.3	2.0	1.0	.0	•0	•0	.0	4.3	1.6	.3	.2	.0	•0	.2	93.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00803 06809 12815 18821	3.3 .7 .6 .7	1.3 1.3 2.3 2.8	.0 1.3 .6 2.1	.0	.0	.0	.0	4.6 3.4 3.5 5.6	2.6 2.0 1.2 .7	.0 .0 1.2	.0	.0	.0	.0 .7 .0	92.8 94.0 93.6 93.7
TOT PCT TOT DBS:	1.3	1.9	1.0	•0	•0	:0	.0	4.2	1.6	.3	. 2	.0	.0	.2	93.5

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			22-33	34-47	48+	TOTAL	PCT	MEAN SPD	00	03	06	HOUR 09	(GMT) 12	15	18	21	
							082	FREU	340									
N	.2	1.6	. 8	.3	.0	.0		2.9	10.1	1.9	1.9	5.6	3.3	3.2	.0	2.3	. 8	
NE	.2	1.2	. 8	• 1	.0	.0		2.3	9.6	2.1	10.8	3.7	1.7	1.2	.0	1.6	1.9	
E	. 4	4.5	4.3	1.0	.0	.0		10.3	12.4	14.6	10.8	12.3	8.3	7.6	10.3	8.3	9.0	
SE	. 5	8.9	10.2	3.4		.0		28.9	13.9	35,4	27.4	29.2		21.7	21.6	31.1	33.1	
S	. 9	9.9	12.0	1.4	.0	.0		24.3	12.1	20.9	20.8	21.1	26.7	29.6	28.4	25.3	21.4	
SW	. 5	7.7	5.7	1.8	. 1	.0		15.8	12.1	12.6	12.7	13.4	18.6	20.3	19.0	15.3	15.8	
W	. 7	3.6	2.8	1.1	.4	.0		8.6	13.5	6.7	6.1	8.6	8.3	8.3	13.8	9.8	11.3	
NW	. 2	2.2	2.2	. 7	. 1	.0		5.4	12.8	4.8	5.7	4.9	6.2	6.0	6.9	4.7	6.0	
VAR	. 1	. 1	.0	:0	.0	.0		.1	3.5	.0	.0	.0	.0	. 5	.0	.0	. 5	
CALM	1.3							1.3	.0	1.1	3.8	1.1	.8	1.5	.0	1.6	. 8	
TOT DBS	73	581	655	144	9	0	1452		12.5	272	53	278	121	323	29	253	133	
TOT PCT	5.0	39.7	44.8	9.8	.6	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

VABLE 34

		WIND	SPEED	(KNOTS)						HOUR	(GMT)
WND DIR	0-6	7-16	17-27		41+	TOTAL	PCT	MEAN	00	06	12	18
						DBS	FREQ	SPD	03	09	15	21
N	.9	1.8	.3	.0	.0		2.9	10.1	1.9	4.9	2.9	1.7
NE	. 8	1.1	.4	. C	.0		2.3	9.6	3,5	3.1	1.1	1.7
E	1.9	5.2	2.9	.3	.0		10.3	12.4	14.0	11.1	7.8	8.5
SE	3.1	15.3	9.7	. 8	.0		28.9	13.9	34.1	28.3	21.7	31.8
S	4.3	13.9	5.9	. 1	.0		24.3	12.1	20.8	22.8	29.5	24.0
SW	3.8	8.0	3.7	. 2	. 1		15.8	12.1	12.6	15.0	20.2	15.5
	2.1	3.8	2.0	.6	. 1		8.6	13.5	6.6	8.5	8.7	10.3
NW	. 9	3.1	1.3	.1			5.4	12.8	4.9	5.3	6.0	5.2
VAR	. 1	.0	.0	.0	.0		. 1	3.5	.0	.0	.6	.0
CALM	1.3						1.3	.0	1.5	1.0	1.4	1.3
TOT DAS	283	762	383	31	3	1462		12.5	325	399	352	386
TOT PCT	19.4	52 . 1	20.2	2.1	. 2		100.0		100.0	100.0	100.0	100.0

050100: 1001	MARY) 1907-1969		AREA 0019 SHARK BAY
	K-ALL) 1859-1969	TABLE 4	25.45 111.4E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR CALM 1-3 4-10 11-21 22-33 34-47 48+ MEAN FREQ .3 .0 12.7 100.0 .5 .0 12.5 100.0 .9 .0 12.1 100.0 .8 .0 12.7 100.0 .9 0 12.5 11.7 8.8 8.5 10.6 144 9.8

TABLE 5

TABLE 6

Р	CT FRE			DIRFC		EIGHTHS)							NH <5/					
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	MEAN CLOUD COVER	000 149	150	300 599	600	1000	2000 3499	3500 4999	5000	6500 7999	8000+	NH C5/8 ANY HGT	TUTAL
N	1.7	.6	1.1	1.2		4.3	.0	.0	.0	. 3	.9	.2	.4	.0	.0	.0	2.8	
NE	1.5	.7	1.2	.0		3.0	.0	.0	.0	.0	. 4	. 2	.0	• 1	.0	.0	2.5	
F	8.0	1.5	2.0	. ?		1.9	.0	.0	.0	.6	. 4	. 5	. 2	• 1	.0	.0	9.9	
SE	15.2	5.9	8.0	. 5		2.8	.0	.0	.0	. 3	2.3	1.7	1.5	. 4	. 2	. 2	22.9	
5	11.2	5.7	6.5	1.5		3.1	.0	.0	.0	.9	2.4	1.0	.9	. 2	.2	.0	19.3	
SW	4.1	4.9	4.0	1.1		3.8	.0	.0	. 2	. 1	1.4	1.4	. 4	. 2	.0	.0	10.5	
u u	1.2	1.6	1.3	. 9		4.3	.0	.0	. 2	. 7	.3	.3	. 2	.0	.0	.0	3.1	
NW	.7	.6	1.6	1.5		5.5	.0	.0	.0	. 2	. 7	1.1	.5	.0	.0	.0	2.0	
VAR	.4	.0	.0	.0		1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 4	
CALM			.6			3.6	.0	•0	.0	.2	.4	.4	.0	.0	.0	.0	1.2	
TOT OBS	223	106	130	36	495	3.2	.0	0	2	16	46	34	20	5	2	1	369	495
TUT PCT	45	21.4	26.3	7.3	100.0		•0	•0	.4	3.2	9.3	6.9	4.0	1.0	. 4	. 2	74.5	100.0

CUMULATIVE PCT FREQ	DE SIMULTANEOUS	DCCURRENCE BY (NM)

			VSBY (NM	1)			
NG . DR	. OR	- DR	= OR	= OR	- TR	· OR	• DR
	>5	>2	>1	>1/2	>1/4	>5040	>0
00 .6	.6	.6	.6	.6	.6	.6	.6
			1.6	1.6	1.6	1.6	1.6
			5.6	5.6	5.6	5.6	5.6
				12.4	12.4	12.4	12.4
				21.5	21.5	21.5	21.5
			24.7	24.7	24.7	24.7	24.7
			25.1	25.1	25.1	25.1	25.1
				25.1	25.1	25.1	25.1
						25.1	25.1
	123	126	126	126	126	126	126
) >10 00 .6 00 1.6 00 5.2 00 10.6 00 18.1 0 20.3 0 20.7 20.7) >10 >5 00 .6 .6 00 1.6 1.6 00 3.2 5.6 00 10.6 12.4 00 18.1 21.1 0 20.7 24.5 0 20.7 24.5 20.7 24.5) >10 >5 >2 00 .6 .6 .6 00 1.6 1.6 1.6 1.6 2.4 12.4 00 18.1 21.1 21.5 0 20.7 24.5 25.1 20.7 24.5 25.1 20.7 24.5 25.1	NG = QR • QR • QR = QR QR QR QR QR QR QR	7) >10 >5 >2 >1 >1/2 00	NG * OR * O	NG = OR = O

TOTAL NUMBER OF OBS: 502 PCT FRED NH <5/81 74.9

TABLE 7A

PERCENTAGE FREU OF LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 21.5 16.6 12.2 13.6 9.5 6.4 5.7 7.2 7.3 .0 559

٨			

PERIOD: (PRIMARY)	1907-1969	AREA 0019	SHARK	BAY
(1	DVER-ALL)	1859-1969	TABLE 8	5.45	111.4E

		PI	ERCENT	PREC	IPITAT	D DIRE	TH VAR	YING V	ALUES	F DR N DF VIS	IBILI	CURRENC TY	E 0+
VSBY (NM)		N	NE	ε	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT *	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/241		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT \$.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT #	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	• 1	.0	.2	.0	.2	.0	.0	.2	.0	.0	.5	
2<5	NO PCP	.0	.2	.3	.3	. 3	.0	.0	. 2	.0	.0	1.3	
	TOT %	• 1	• 2	.5	.3	. 5	.0	.0	. 2	.0	.0	1.8	
	PCP	.2	•0	.0	.1	.2	.2	.5		.0	.2	1.3	
1<10	NO PCP	.0	.5	.7	2.5	2.2	2.6	1.4	1.1	.0	.0	12.0	
	TOT %	1 • 1	.5	.7	2.6	2.5	2.7	1.8	1.1	.0	.2	13.3	
	PCP	• 2	.2	.0	.7	.5	.3	.5	. 2	.0	.0		
10+	NO PCP	2.6	2.7	9.8	24.9	21.2	12.6	3.5	3.1	.3	1.6	82.5	
	TOT %	2.7	2.9	9.8	25.6	21.7	13.0	4.0	3.3	. 3	1.6	84.9	
	TOT DBS												610
	TOT PCT	4.0	3.6	11.0	28.5	24.5	15.7	5.9	4.6	. 3	1.8	100.0	

TABLE 0

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT *	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	. 2	*	. 1	*	.0	.0	.0		. 4	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	. 1	.0	.0	.0	.0	.0		.1	
	TOT *	.0	• 0	. 2	• 1	. 1	*	.0	.0	.0	.0	.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	. 1	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	. 4	.0	. 2	.0	.0	.0		.6	
	22+	.0	.0	.0	.1	.0	.0	.0	.0	.0		. 1	
	TOT %	.0	.0	.0	. 5	. 1	.2	.0	.0	.0	.0	.8	
	0-3	. 1	.0	.0	.0	.0	.0	.0		.0	.0	.1	
2 < 5	4-10	.0	.0	.0	.0	.1	.0	.0	.1	.0		. 2	
	11-21	*	. 1	. 2	. 1	. 2	.0	.0		.0		. 7	
	22+	.0	.0	.1	. 1	.0	.0	.0	.0	.0		1.2	
	TOT %	.1	• 1	. 3	.2	.3	.0	.0	. 2	.0	.0	1.2	
	0-3	.1	.1	. 1	.2	.3	.1	.7	. 1	.0	.4	2.1	
5<10	4-10	.6	. 4	1.0	2.1	2.6	3.3	2.0	1.4	.0		13.3	
	11-21	.5	.2	.9	4.1	4.1	2.6	1.5	.9	.0		14.6	
	22+	.0	.0	. 2	. 7	. 7	1.1	. 7	. 3	.0		3.8	
	TOT %	1.1	.7	2.1	7.1	7.7	7.2	4.8	2.7	.0	.4	33.9	
	0-3	.1	. 1	.2	.1	.8	.3	.2	.0	.1	1.0	2.9	
10+	4-10	1.6	1.4	3.1	6.5	6.8	4.9	1.7	1.2	. 1		27.3	
	11-21	. 5	.6	2.9	10.2	8.8	4.1	1.2	1.1	.0		29.5	
	22+	.2	.1	. 5	1.7	.7	.7	.0	. 1	.0		4.0	
	TOT %	2.4	5.5	6.7	18.6	17.1	10.0	3.1	2.4	. 2	1.0	63.7	
	OT DAS	-											1025
1	OT PCI	3.7	3.0	9.3	26.5	25.3	17.5	7.9	5.2	. 2	1.4	100.0	

AUGUST

PERIOD: (PRIMARY) 1907-1969 (GVER-ALL) 1859-1969

TABLE 10

AREA 0019 SHARK BAY 25.45 111.4E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.0	.0	. 8	3.8	10.7	8.4	3.8	1.5	.8	.8	30.5	69.5	131
90380	.0	.0	.0	3.7	9.6	3.7	4.4	.7	.0	.0	22.2	77.8	135
12615	.0	.0	•0	.7	8.8	4.4	2.9	.7	.0	.0	17.5	82.5	137
18821	.0	.0	8.	3.8	5.3	9.0	3.8	. 8	.8	.0	24.1	75.9	133
TOT	0	.0	2	16	46	6.3	3.7	5	2	1	126	410	536

TABLE 12

		PERCENT	FREQUENCY	VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.8	1.9	1.5	31.7	64.1	259	00803	.0	. 8	5.8	27.5	66.7	120
06609	.0	. 8	. A	.4	27.7	70.2	242	06609	.0	.0	3.9	19.4	76.7	129
12615	.0	.7	.4	2.1	38.3	58.5	282	12815	.0	.0	1.5	16.9	81.5	130
18821	.0	•0	•0	. 4	37.8	61.8	262	18821	.0	. 8	4.9	21.1	74.0	123
TOT PCT	.0	.6	, R	12	356 34.1	663	100.0	101	.0	.4	20	106	376 74.9	502 100.0

TABLE 13 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 3 87 10.5 477 57.5 243 29.3 18 2.2 2 830 100.0 .1 .1 .1 .0 2.4 2.9 2.0 1.4 10.5 17.3 15.8 9.3 5.2 10.7 7.1 3.9 1 7 7 .4 1 7 7 .4 1 152 265 214 125 18.3 31.9 25.8 15.1 .0 .0 .0 .0 .0 .3 .4 .0 1.1 1.6 .7 .0 .0 28 .0 .4 2.9 1.7 .2 .0 43

TABLE 14

.1 1.2 2.1 .5 .1 .1 .5 1.5 .6 .1 2.0 16.4 8.3 4.0 2.9 9.1 27.2 25.2 18.6 6.6 4.5

TARLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR MIN MEAN TOTAL
185
54 65.8 318
58 67.4 393
59 66.2 352
54 64.8 368
54 66.1 1431 65 60 67 62 66 62 65 60 66 61 72 73 71 70 72 56 60 59 59

TABLE 16 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

TOTAL 085 206 197 231 216 0-29 30-59 60-69 70-79 80-89 90-100 MEAN 18.4 9.1 15.2 16.7 .0 32.0 32.0 31.2 31.5 24.8 22.3 28.5 26.4

PERIOD: (PRIMARY) 1907-1969 (DVER-ALL) 1859-1969

TABLE 17

AREA 0019 SHARK BAY 25.45 111.4E

1

PCT FREQ OF AIR	TEMPERATURE (DEG	F) AND THE	OCCURRENCE Q	F FOG	TUDHTIW	PRECIPITATION)
	VS AIR-SEA	TEMPERATUR	DIFFERENCE	(DEG F)	

AIR-SEA	53	57	61	65	69	73	77	81	TOT	W	WO
TMP UIF	56	60	64	68	72	76	80	84		FOG	FOG
11/13	.0	.0	.0	.0	.0	.0	.0	.4	2	.0	.4
7/8	.0	.0	.0	.2	. 2	. 2	. 2	.0	4	.0	. 8
6	.0	.0	.0	. 2	. 2	.0	. 2	.0	3	.0	.6
6	.0	.0	.0	. 2	.0	. 6	. 2	.0	3 5	.0	1.0
4	.0	.0	.0	. 2	.4	.0	. 2	.0	13	.0	. 8
3	.0	.0	. 4	. 0	.6	. 6	. 4	.0	13	.0	2.7
3 2	.0	.0	. 2	. 2	1.2	. 8	.0	.0	12	.0	2.5
1 0 -1	.0	.0	. 6	1.2	2.7	. 4	.0	.0	24	.0	4.9
0	.0	.0	. 8	2.1	4.5	.0	.0	.0	36	.0	7.4
-1	.0	. 2	. 8	6.0	2.5	. 4	.0	.0	48	.0	9.9
-2	.0	.0	1.0	5.6	3.7	.0	.0	.0	50	.0	10.3
-3	.0	.0	2.3	8.7	1.2	.0	.0	.0	59	.0	12.2
-4	.0	.0	4.1	9.3	. 8	.0	.0	.0	69	.0	14.2
-5	.0	. 2	3.5	7.4	.4	.0	.0	.0	56	.0	11.5
-6	.0	.2	2.7	4.5	. 2	.0	.0	.0	37	.0	7.6
-7/-8	.0	.4	3.7	3.1	. 2	.0	.0	.0	36	.0	7.4
-9/-10	.0	.4	2.5	1.2	.0	.0	.0	.0	20	.0	4.1
-11/-13	. 2	1.0	. 2	.0	.0	.0	.0	.0	7	.0	1.4
TUTAL	1		111		92		6			0	485
		12		246		15		2	485	-	
PCT	. 2	2.5	22.9	50.7	19.0	3.1	1.2	.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

				PC	T FREO	DF WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.6	.0	.0	.0	.0	.9		.0	. 1	.0	.0	.0	.0	. 1
1-2	.0	.9	. 4	.0	.0	.0	1.3		.4	2.0	. 4	.0	.0	.0	2.7
3-4	.0	1.3	1.4	.0	• 0	.0	2.6		.0	.4	.4	.0	.0	.0	. 7
5-6	.0	.0	.0	.0	.0	• 0	.0		.0	.0	. 7	.0	.0	.0	.7
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	. 0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	• 0	.0	.0	.0
71-86	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	• 0	.0	.0	.0
87+	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	. 3	2.8	1.7	.0	• 0	.0	4.8		.4	2.4	1.4	• 0	.0	.0	4.3
		,													
HGT	1-3	4-10	11-21	£ 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	•0	.0	.0		.0	.1	.0	.0	.0	.0	. 1
1-2	.0	3.7	.3	.0	•0	.0	4.0		.4	5.6	1.4	.0	.0	.0	7.4
3-4	.0	.7	1.6	.0	•0	.0	2.4		.0	3.1	6.9	.0	.0	.0	10.0
5-6	.0	.4	2.6	.0	.0	.0	3.0		.0	.4	4.3	.2	.0	.0	4.8
7	.0	.4	.6	.4	.0	.0	1.4		.0	.0	2.1	1.2	.0	.0	3.3
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.4	.0	.0	.4		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	• ()	•0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	. 4	.0	.0	.4
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	1.1	.0	.0	1.1
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.2	5.2	.7	.0	.0	11.1		.4	9.1	14.7	2.8	.0	.0	27.0

PERIND:	tower			0.0					40005				LOFE		SHARK B	
PEKTUU:	CHAF	K-ALL)	1963-1	404					18 CONT				AREA		S 111	
								TABLE	10 (CUNI	,				25.	•5 111	.45
				PC	I FRED E	F WIND	SPEED	(KTS)	AND DIRE	CIIUN A	EKPOP 2	EA HEIG	H12 (FI)			
				_												
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.6	.0	.0	• 0	.0	.6		.0	1.1	.0	.0	.0	.0	1.1	
1-2	.0	7.9	1.5	.0	.0	.0	9.4		.0	4.0	. 8	.0	.0	.0	4.8	
3-4	.0	2.2	5.4	.0	• 0	• 0	7.6		.0	1.3	1.3	.0	.0	.0	2.5	
5-6	.0	.0	6.6	1.3	.0	.0	7.9		.0	.0	3.5	. 4	.0	.0	3.9	
7	.0	.0	1.3	.3	.0	•0	1.5		.0	.0	1.4	.4	.0	.0	1.8	
8-9	.0	.0	.4	.0	.0	.0	.4		.0	.0	.7	.0	.0	.0	.7	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	. 1	.0	.0	.0	. 1	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	. 0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	10.7	15.2	1.5	.0	.0	27.4		.0	6.3	7.9	.7	.0	.0	14.9	
				W			•					NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.4	.3	.0	.0	.0	.0	.6		• 1	.1	.0	.0	.0	.0	. 2	
1-2	.0	.6	.6	.0	.0	.0	1.3		.0	.6	. 4	.0	.0	.0	1.0	
3-4	.0	1.4	.0	.0	.0	.0	1.4		.0	1.3	. 5	.0	.0	.0	1.7	
5-5	.0	.0	. 7	.0	.0	• 0	.7		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	. 4	.0	.0	.0	. 4		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.3	.4	.0	.0	.6		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.4	2.4	2.0	. 4	.0	.0	5.1		.1	2.0	, 8	.0	.0	.0	2.9	97.5
Tan Sue !																

AUGUST

	MIND	SPEFD	(KTS)	VS SEA	HEIGHT	(FT)		
нат	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.6	2.9	.0	.0	.0	.0	6.5	003
1-2	.7	25.3	5.8	.0	.0	.0	31.8	
3-4	.0	11.6	17.3	.0	.0	.0	26.9	
5-6	.0	.7	18.4	1.8	.0	.0	20.9	
7	.0	. 4	5.8	2.2	.0	.0	8.3	
8-9	.0	.0	1.1	.0	.0	.0	1.1	
10-11	.0	.0	.0	.4	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	. 4	.7	.0	.0	1.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	1.1	.0	.0	1.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								277
TOT PCT	4.3	40.8	48.7	6.1	.0	.0	100.0	

PERIOD: (PRIMARY) 1913-1971 (CVER-ALL) 1855-1971

TABLE 1

AREA 0019 SHARK BAY 25.45 111.6E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS' BLWG SND	
N	28.6	.0	.0	.0	.0	.0	.0	28.6	.0	.0	.0	.0	.0	.0	71.4
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	1.4	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	98.6
SE	.8	.0	. 8	.0	.0	.0	.0	1.5	.5	.0	.0	.0	.0	.0	98.0
S	.3	.7	.2	.0	.0	.0	.0	1.2	. 7	.4	.0	.0	.0	.0	97.7
SW	7.1	4.6	.0	.0	.0	.0	.0	6.7	2.8	.0	.0	.0	.0	.0	90.6
W	1.7	4.2	1.7	.0	• 0	•0	.0	7.0	.0	.0	.0	.0	.0	.0	92.4
NW	.0	2.4	.0	.0	.0	.0	.0	2.4	4.7	.0	.0	.0	.0	.0	92.9
VAR	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.0	1.4	.4	•0	•0	•0	.0	2.8	1.0	. 1	.0	.0	.0	.0	96.1

TABLE 2

					P	ERCENT	FREQUE	NCY OF WE	ATHER OCCUR	RENCE	BY HOU	R			
			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	.0 2.7 1.2	2.6 2.2 .0 1.2	1.1 .5 .0	.0	•0	.0	.0	3.7 2.7 2.7 2.3	2.1 .0 1.6	.0	.0	.0	.0	.0	94.2 97.3 95.7 97.1
TOT PCT TOT OBS:	1.0 729	1.5	.4	•0	•0	.0	.0	2.9	1.0	.1	•0	•0	.0	.0	96.0

TAR! E :

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	51
N	. 2	.5	.2	.0	.0	.0		.9	8.3	1.0	1.6	1.0	2.1	. 6	.0	. 2	1.1
NE	. 2	.6	. 2	.0	.0	.0		1.0	8.0	2.6	4.8	1.4	.0	. 2	.0	. 2	. 5
Ε	. 4		2.5	.7	.0	.0		5.2	13.4	8.2	10.3	4.8	1.7	3.5	2.8	4.5	6.3
SE	. 4	7.2	15.4	3.5	.1	.0		26.6	14.5	30.2	17.8	31.9	20.2	22.3	17.0	28.1	27.4
S	. 8	10.5	21.9	3.6				36.8	13.8	33.5	32.9	31.8	39.7	40.2	43.4	40.5	36.2
Sh										13.4	15.9	13.6	24.8	19.3	26.4	17.4	15.4
	. 3		2.3							7.0	9.5	9.5	7.4	9.0	7.5	4.1	7.0
	. 3										5.2			4.3	2.8	3.4	5.9
										.0				. 3	.0	.0	. 0
										.0	.0			. 3	.0	1.5	. 7
		540	A11	148	4	0	1561										135
TOT POT	3.7		52.0			.0	1301	100.0									
	N NE E S S N N N V AR CALM TOT UBS	N .2 NE .2 E .4 SE .4 S .4 S .4 W .3 NW .3 VAR .1 CALM .5	N .2 .5 NE .2 .6 E .4 1.6 SE .4 7.5 Sh .4 7.5 Sh .4 7.5 NW .3 4.5 NW .3 2.1 VAR .1 .0 CALM .6 TOT UBS 58 540	N .2 .5 .2 NE .2 .6 .2 E .4 1.6 2.5 SE .4 7.2 15.4 S .8 10.5 21.9 Sh .4 7.5 7.8 W .3 4.5 2.3 NN .3 2.1 1.7 VAR .1 .0 .0 CALM .6 TOT UBS 58 540 A11	N .2 .5 .2 .0 NE .2 .6 .2 .0 E .4 1.6 2.5 .2 S .8 10.5 21.9 3.6 S .8 10.5 21.9 3.6 N .3 4.5 2.3 .4 N .3 2.1 1.7 .1 VAR .1 .0 .0 .0 CALM .6 TOT UBS 58 540 All 148	N .2 .5 .2 .0 .0 .0 .0 .6 .4 1.6 2.5 .7 .0 .5 .1 .5 .1 .5 .1	N .2 .5 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	NAO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL DBS N	Who DIR	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN DBS FREQ SPD No. 2 .5 .2 .0 .0 .0 .0 .9 8.3 No. 2 .6 .2 .0 .0 .0 .0 .0 1.0 8.0 E .4 1.6 2.5 .7 .0 .0 .0 .0 5.2 13.4 SE .4 7.2 15.4 3.5 .1 .0 26.6 14.5 S .8 10.5 21.9 3.6 .1 .0 36.8 13.8 SW .4 7.5 7.8 1.2 .1 .0 36.8 13.8 SW .4 7.5 7.8 1.2 .1 .0 .0 16.9 12.0 What .3 4.5 2.3 .4 .0 .0 .0 7.6 10.5 NW .3 2.1 1.7 .1 .0 .0 4.2 10.2 VAR .1 .0 .0 .0 .0 .0 .0 4.2 10.2 VAR .1 .0 .0 .0 .0 .0 .0 .1 2.0 CALM .8 TOTAL BS 58 540 811 148 4 0 1551 13.0	No DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN DBS FREQ SPD	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN DBS FREQ SPD 00 03 N	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN OD 03 06 N .2 .5 .2 .0 .0 .0 .0 .9 8.3 1.0 1.6 1.0 NE .2 .6 .2 .0 .0 .0 .10 8.0 2.6 4.8 1.4 E .4 1.6 2.5 .7 .0 .0 .5 2.2 13.4 8.2 10.3 4.8 SE .4 7.2 15.4 3.5 1 .0 26.6 14.5 30.2 17.8 31.9 S .8 10.5 21.9 3.6 .1 .0 36.8 13.8 33.5 32.9 31.8 SN .4 7.5 7.8 1.2 .1 .0 36.8 13.8 33.5 32.9 31.8 W .3 4.5 2.3 .4 .0 .0 .76 10.5 7.0 9.5 9.5 NM .3 2.1 1.7 .1 .0 .0 4.2 10.2 4.2 5.2 4.2 VAR .1 .0 .0 .0 .0 .0 .0 .1 2.0 4.2 5.2 4.2 CALM .8 TOTAL S .5 540 811 148 4 0 1561 13.0 305 63 294	N 2 .5 .2 .0 .0 .0 .0 .9 8.3 1.0 1.6 1.0 2.1 NE 2 .6 .2 .0 .0 .0 .0 .0 8.0 2.6 4.8 1.4 .0 E .4 1.6 2.5 .7 .0 .0 .0 .0 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	N 2 .5 .2 .0 .0 .0 .0 .9 8.3 1.0 1.6 1.0 2.1 .6 NE 2 .6 .2 .0 .0 .0 .0 .0 8.0 2.6 4.8 1.4 .0 .2 E .4 1.6 2.5 .7 .0 .0 .0 .0 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	N 2 .5 .2 .0 .0 .0 .9 8.3 1.0 1.6 1.0 2.1 .5 .0 NE 2 .6 .2 .0 .0 .0 .0 8.0 8.0 1.0 1.6 1.0 2.1 .5 .0 NE 2 .6 .2 .0 .0 .0 .0 8.0 2.6 4.8 1.4 .0 .2 .0 E .4 1.6 2.5 .7 .0 .0 8.0 2.6 4.8 1.4 .0 .2 .0 E .4 1.6 2.5 .7 .0 .0 8.0 2.6 4.8 1.4 .0 .2 2.0 5 SE .4 7.2 15.4 3.5 .1 .0 26.6 16.5 30.2 13.4 8.2 10.3 4.8 1.7 3.5 2.8 SE .4 7.2 15.4 3.5 .1 .0 26.6 16.5 30.2 13.4 8.2 10.3 4.8 1.7 3.5 2.8 SE .4 7.2 15.4 3.5 .1 .0 36.8 13.8 33.5 32.9 31.8 39.7 40.2 23.3 17.0 5 8 10.5 21.9 3.6 1 .0 36.8 13.8 33.5 32.9 31.8 39.7 40.2 43.4 NE SE .4 7.2 7.3 7.3 1.2 .1 .0 16.9 12.0 13.4 15.9 13.6 24.8 19.3 26.4 NE .4 7.5 7.8 1.2 .1 .0 .0 7.6 10.5 7.0 9.5 9.5 7.4 9.0 7.5 NE .3 2.1 1.7 .1 .0 .0 4.2 10.2 4.2 5.2 4.3 3.3 4.3 2.8 VAR .1 .0 .0 .0 .0 .0 .1 2.0 .0 .0 .0 .0 .0 .3 .0 CALM 8 TOT DBS 58 540 811 148 4 0 1561 13.0 305 63 294 121 330 53	N 2 .5 .2 .0 .0 .0 .0 .9 8.3 1.0 1.6 1.0 2.1 .6 .0 .2 .2

+	٨	0	ű.		2	Δ

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00	HDUR 06 09	12 15	18 21
N NE	.5	.3	.1	.0	.0		1,0	8.3	1.1	1.3	.5	.5
F	. 4	2.4	1.8	.1	.0		5.2	13.4	8.6	3.9	3.4	5.1
SE	2.6	13.3	10.3	.4	.0		26.6	14.5	28.4	28.5	21.5	27.8
5 5 W	4.5	19.5	12.4	.5			36.8	13.8	33.4	34.1	40.7	39.1
SW	3.6	9.3	3.7	. 2	.1		16.9	12.0	13.8	16.9	20.3	16.7
W	2.0	4.4	1.0	. 2	.0		7.6	10.5	7.4	8.9	8.8	5.1
NW	1.2	2.3	.6	.0	.0		4.2	10.2	4.3	4.0	4.1	4.2
VAR	. 1	.0	.0	.0	.0		. 1	2.0	.0	.0	. 3	.0
CALM	. 8						. 8	.0	.0	1.4	. 3	1.3
TOT DAS	255	813	468	23	2	1561		13.0	358	415	383	395
TOT PCT	16.3	52.1	30.0	1.5	- 1		100.0		100.0	100.0	100.0	100.0

5	F	P	T	F	M	B	F	R	

PERIOD: (PRIMARY) 1913-1971 (OVER-ALL) 1855-1971

TABLE 4

AREA 0019 SHARK BAY 25.45 111.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEFD 22-33	(KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTA
00803	.0	4.9	38.0	46.7	10.3	.0	.0	12.7	100.0	368
90300	1.4	2.2	34.2	53.3	8.7	. 2	.0	13.1	100.0	415
12615	.3	2.9	33.2	53.3	10.2	.3	.0	13.2	100.0	383
18621	1.3	2.0	33.2	54.2	8.9	. 5	.0	13.2	100.0	395
TOT	12	46	540	811	148	4	0	13.0		1561
PCT	. 8	2.9	34.6	52.0	9.5	.3	.0		100.0	

TABLE 5

TABLE 6

	PCT FRE			CLOUD A		(EIGHTHS)		PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION										
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL Q85	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.4	.0	.0		3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
NE	. 5		.2	.0		2.6	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.0	.6	
E	3.6	.3	.9	.0		1.6	.0	.0	.0	.0	. 2	.0	. 3	.0	. 2	.0	4.0	
SE	14.6	5.1	6.5	1.0		2.6	.0	.0	.0	. 7	2.5	1.6	1.0	. 7	.0	.0	20.7	
S	20.8	7.8	8.1	3.0		2.8	.0	. 2	.0	.7	3.2	3.1	1.4	. 4	.0	. 4	30.2	
SW	5.9	3.5	4.2	1.1		3.5	.0	.0	. 2	. 2	1.8	.7	1.1	• 1	.0	. 1	10.6	
W	2.2	1.6	3.4	.6		4.3	.0	.0	.0	.0	. 9	1.1	.6	• 1	.0	.0	5.0	
NW	1.7	. 6	.9	. 4		3.4	.0	.0	. 3	. 2	. 2	. 3	. 1	.0	.0	.0	2.5	
VAR	.2	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	
CALM	.7	.0	.2	. 3		3.4	.0	.0	.0	. 2	. 2	. 2	.0	.0	.0	.0	.7	
TOT OBS	306	118	149	39	612	2.9	0	1	3	12	55	43	27	8	2	3	458	612
TOT PCT	50.0	19.3	24.3	6.4	100.0		.0	.2	.5	2.0	9.0	7.0	4.4	1.3	.3	. 5	74.8	100.0

TABLE 7

CUMULATIVE PCT FRE	0	OF SIMULTANEOUS OCCURRENCE
		(NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CEILING	- OR	- DR	= OR	= DR	= OR	- DR	- DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	.8	.8	.8	.8	.8	. 8	.8	.8
. OR >5000	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
■ OR >3500	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
• DR >2000	13.0	13.3	13.3	13.3	13.3	13.3	13.3	13.3
■ DR >1000	20.5	22.2	22.3	22.3	22.3	22.3	22.3	22.3
■ DR >600	22.2	24.1	24.2	24.2	24.2	24.2	24.2	24.2
■ DR >300	22.3	24.2	24.6	24.7	24.7	24.7	24.7	24.7
- OR >150	22.5	24.4	24.7	24.9	24.9	24.9	24.9	24.9
- OR > 0	22.5	24.4	24.7	24.9	24.9	24.9	24.9	24.9
TOTAL	140	152	154	155	155	155	155	155

TOTAL NUMBER UF OBS: 523 PCT FREG NH 45/81 75.1

TABLE 7A

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO OBS 28.3 14.9 13.0 11.5 6.7 5.0 7.0 8.6 5.1 .0 686

SEPTEMBER

PERIOD:	(PRIMARY) 1913-1971 (DVER-ALL) 1855-1971	TABLE 8	AREA 0019 SHARK BAY 25.45 111.6E

		PE	RCENT	PREC	OF WIN	ION MI	TH VAR	YING V	ALUES I	F DR N	IBILI	TY	E DF
VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
Contract	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0.	.0	.0	.0	
11/2	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2(1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	• 0	.0	.0	.0	.0	.1	.0	.0	.0	.0	. 1	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	• 0	• 0	.0	.0	.0	. 1	.0	.0	.0	.0	. 1	
	PCP	.0	.0	.0	.1	.0	. 1	.0	.0	.0	.0	.3	
2<5	NO PCP	.0	.0	.0	. 1	. 2	.0	.0	.0	.0	.0	.3	
	TOT %	•0	.0	.0	• 2	.2	• 1	.0	.0	.0	.0	.6	
	PCP	• 1	.0	.0	.2	.3	. 4	.0	.0	.0	.0	1.1	
5<10	NO PCP	• 1	.0	. 5	1.9	1.7	1.9	.7	. 3	.0	.0	7.1	
	TOT %	• 2	.0	.5	2.1	2.1	2.3	.7	. 3	.0	.0	8.3	
	PCP	.0	.0	. 1	.1	. 1	.3	.6	. 1	.0	.0	1.3	
10+	NO PCP	• 2	. 9	4.3	25.2	36.0	12.3	7.0	2.6	.1	1.1	89.8	
	TOT %	• 2	. 9	4.4	25.2	36.1	12.6	7.7	2.0	• 1	1.1	91.0	
	TOT OBS												715
	TOT PCT	. 5	.9	4.9	27.6	38.4	15.2	8.3	3.0	. 1	1.1	100.0	

TABLE 9

VSBY	SPD	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS		145	-	3.5	3				VAN		PCI	DBS
	0-3	.0	.0	.0	.0	.0	.0	*		.0	.0	.1	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	. 1	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	• 1	.0	*	*	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	. 2	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	.0	. 2	.0	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	. 2	• 1	. 2	.0	.0	.0		. 4	
	11-21	.0	.0	.0	. 2	. 5	.4	.0	. 1	.0		1.3	
	22+	.0	.0	.0	.0	. 1	. 1	.0	.0	.0		. 2	
	TOT %	.0	.0	.0	. 4	. 7	.7	.0	.1	.0	.0	1.9	
4													
	0-3	.0	.0	.0	.0	. 1	.0	.0	.0	.0	.0	.1	
2<5	4-10	.0	• 0	.0	*	. 1	*	.0	.0	.0		.2	
	11-21	.0	.0	.0	. 1	• 1	. 1	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	. 1	.0	.0		:17	
	TOT %	.0	• 0	.0	. 2	.3	. 1	. 1	.0	.0	.0	.,	
	0-3	.0	.0	.1	.3	. 2	.1	.0	.0	.0	.0	. 8	
5<10	4-10	. 1	• 1	. 5	2.5	3.5	3.0	1.3	. 7	.0		11.8	
	11-21	. 1	.0	. 5	3.2	6.7	3.2	. 5	. 7	.0		14.8	
	22+	.0	.0	. 1	.6	. 8	.3	.0	.0	.0		1.8	
	TOT %	. 2	• 1	1.2	6.6	11.3	6.6	1.8	1.3	.0	.0	29.1	
	0-3	. 1	.3	.3	. 2	.5	.4	. 3	1	.1	.7	3.0	
10+	4-10	. 4	.6	1.1	5.1	7.5	4.9	3.6	1.5	.0		24.6	
	11-21	.0	• 1	1.1	10.4	15.7	4.0	1.6	.5	.0		33.4	
	22+	.0	.0	.4	2.8	2.7	7	. 4	.1	.0	_	7.1	
	TOT %	.5	• 9	2.9	18.4	26.4	10.0	5.9	2.2	. 1	.7	68.0	
	TOT DAS						-						1189
1	TOT PET	.7	1.0	4.1	25.6	38.8	17.6	7.8	3.7	. 1	.7	100.0	

SEPTEMBER

PERIOD:	(PRIMARY)	1913-1971
	INVER-ALLS	1955-1971

TABLE 10

AREA 0019 SHARK BAY 25.45 111.6E

PERCENT	FREQUENCY OF	CEI	LING	HEIGHT	5	(FEET, NH	>4/81	AND
	DCCURRE	NCE	OF N	4 <5/8	BY	HOUR		

HOUR (GMT)	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6495	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
60300	.0	.0	1.2	1.8	11.0	6.7	7.3	.6	.6	.0	29.3	70.7	164	
90300	.0	.0	.0	1.2	6.4	6.9	4.0	1.7	.6	.0	20.8	79.2	173	
12615	.0	.6	.6	1.2	6.8	5.6	2.5	.6	.0	1.2	19.1	80.9	162	
18821	.0	.0	•0	3.0	9.6	6.0	2.4	1.8	.0	.6	24.1	75.9	166	
TOT	.0	.2	.5	12	56 8.4	6.5	4.1	1.2	.3	.5	155	510 76.7	665	

TABLE 11

TABLE 12

	2	PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	AND/3R
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 < 1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00803	.6	.0	2.6	.6	27.3	68.8	311	60300	.0	1.3	3.3	28.3	68.4	152
90360	.0	.0	1.4	.4	25.5	72.7	282	06609	.0	.0	1.2	20.1	78.7	169
12615	. 3	. 3	2.7	. 9	33.2	62.6	334	12815	.0	2.0	3.3	17.9	78.8	151
13621	.0	.3	1.0	.7	32.2	65.8	295	18821	.0	.0	4.0	22.5	73.5	151
TOT	.2	.2	24	.7	363 29.7	822 67.3	1222	10T PCT	.0	.8	18	138	467 75.0	623 100.0

TARLE 13

TABLE 14

					ABLE L	,									1401	E 14				
	PERCI	NT FR	EQUENC	Y OF R	ELATIVE	HUMI	DITY B	Y TEMP				PERC	ENT FR	EQUEN	Y DF W	IND DI	RECTIO	N BY T	E MP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	FREQ	N	NE	E	SE	s	SW	W	NW	VAR	CALM
75/79	.0	.0	.0	. 5	.4	.6	.0	.0	15		.0	.0	.3	. 5	.5	. 2	.0	• 1	.0	.0
70/74	.0	.1	. 4	2.2	5.4	5.1	2.6	1.1	167	17.0	.2	.4	.9	3.5	7.0	3.2	.6	. 8	.0	. 4
65/69	.0	.0	. 4	4.2	14.1	18.6	15.7	5.1	570	58.0	. 2	. 4	1.9	13.7	23.3	10.2	5.7	2.3	. 1	. 3
60/64	.0	.0	. 1	2.0	7.9	8.1	3.0		218	22.2	.0	.0	. 8	6.5	9.0	4.3	1.2	. 3	.0	.1
55/59	.0	.0	.0	. 1	. 2	. 5	. 1	. 3	12	1.2	.0	.0	.1	. 4	. 3	.5	. 1	.0	.0	.0
TOTAL	0	1	9	89	275	324	210	74	982	100.0										
PCT	.0	. 1	.9	9,1	28.0	33.0	21.4	7.5			. 3	. 8	3.9	24.5	40.1	18.4	7.6	3.5	.1	. 8

TAPLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	R
HOUR (GMT)	мдх	99%	95%	50%	5*	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTA
00803	82	75 76	73	66	61	59	58 57	66.6	364 405	00803	.0	10.8	26.2	37.7	19.6	5.8	73 59	260
12615	82 72	76 71	72 69	67	62	60 59	57	65.1	378 393	12815	.0	5.2	25.6	30.4	27.4	10.0	75 75	270
TOT	82	76	72	67	61	59	57	66.7	1540	707	0	101	282	332	217	78	73	1010

PERIOD: (PRIMARY) 1913-1971 (DVER-ALL) 1855-1971

TABLE 17

AREA 0019 SHARK BAY 25.45 111.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

13	MIN.	. JEH	C. C.							
AIR-SEA	57	61	65	69	73	77	тат	w	WO	
TMP DIF	60	64	68	72	76	80		FUG	FDG	
11/13	.0	.0	.0	.0	. 2	.0	1	.0	. 2	
9/10	.0	.0	. 2	.0	.0	.0		.0	. 2	
7/8	.0	.0	. 2	. 5	. 2	.0	5	.0	. 9	
6	.0	.0	.0	.0	. 2	. 2	2	.0	. 4	
5	.0	.0	.7	. 2	.7	. 4	11	.0	1.9	
4	.0	. 2	. 2	. 5	. 2	. 2	7	.0	1.2	
3 2	.0	.0	.0	. 7	. 4	.0	6	.0	1.1	
2	.0	. 5	1.9	3.0	1.6	.0	40	.0	7.1	
0	.0	. 4	2.1	3.4	.5	.0	36	.0	6.4	
0	.0	. 4	4.2	5.8	. 2	.0	60	.0	10.6	
-1	.0	1.4	7.8	3.9	.0	.0	74	.0	13.1	
-2	.4	1.4	7.6	3.4	.0	.0	72	.0	12.7	
-3	.0	2.1	9.6	1.4	.0	.0	74	.0	13.1	
-4	. 5	2.7	6.1	1.6	.0	.0	71	.0	12.6	
-5	. 2	2.8	3.7	. 2	.0	.0	39	.0	6.9	
-6	.5	3.4	1.6	.0	.0	.0	31	.0	5.5	
-7/-8	.7	3.2	. 9	.0	.0	.0	27	.0	4.8	
-9/-10	.0	. 9	.4	.0	.0	.0	7	.0	1.2	
-11/-13	.2	.0	.0	.0	.0	.0	1	.0	. 2	
TOTAL	12		278		23			0	565	
		109		139		4	565			
PCT	2.1	19.3	49.2	24.6	4.1	. 7	100.0		100.0	

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 27-33 22-33 1-3 48+ 1-3 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 22-3-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 34-47 22-33 1-3 11-21 .0 .6.0 .4.3 2.1 1.3 .0 .0 .0 .0 .0 .0 4-47 1-3

									SEPTI	EMBER							
PERIOD:	COVE	K-ALL)	1963-1	1971										AREA	0019		
								TABLE	18	(CONT)					25.	45 111	.6E
				PC	T FREQ	OF WINE	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
												-					
HGT				5							4-10		SW				
<1	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10			34-47	48+	PCT	
1-2	.3	5.7	1.5	.0	.0	.0	7.5			.0	3.5			.0	.0	5.1	
3-4	.0	2.6	13.9	.3	.0	.0	16.8			.0	1.7			.0	.0	3.9	
5-6	.0	1.5	10.1	1.6	.0	.0	13.1			.0	.0			.0	.0	1.6	
7	.0	. 3	2.9	1.5	.0	.0	4.7			.0	.0			.0	.0	2.1	
8-9	.0	. 3	1.2	1.4	.0	.0	2.8			.0	.0			.0	.0	.5	
10-11	.0	. 0	.0	. 9	.0	.0	.9			.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	. 2	.0	.2			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	• 0	. 0			.0	.0		.0	.0	.0	.0	
TOT PCT	.5	10.4	29.6	5.6	• 2	•0	46.3			. 3	5.8	6.2	2.0	.0	.0	14.2	
				W									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	PCT
<1	.0	. 4	.0	.0	.0	.0	.4			.0	. 1			.0	.0	. 1	
1-2	.0	2.7	.5	.0	.0	.0	3.2			.0	. 8			.0	.0	1.2	
3-4	.0	. 8	.7	.0	.0	.0	1.5			.0	. 4	. 3	.0	.0	.0	. 7	
5-6	.0	.0	.7	.0	.0	.0	.7			.0	.0	.0		.0	.0	.0	
7	.0	.0	.0	.3	.0	.0	. 3			.0	.0			.0	.0	. 5	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
10-11	.0	.0	.0	.0	• 0	.0	.0			.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	• 0	. 0			• 0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	•0	• 0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	• 0	• 0	.0			• 0	.0			.0	.0	.0	
26-32 33-40	.0	.0	.0	.0	•0	• 0	.0			• 0	.0			.0	.0	.0	
	.0	.0	.0	.0	• 0	• 0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			• 0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.0	3.9	1.9	.3	.0	.0	6.1			.0	1.3			.0	.0	2.4	98.4
101 101	.0	3.7	1.07	.,	• 0	•0	0.1			• 0		. ,	. 3	.0	.0	2.4	70.4

	WIND	SPEED	(KT5)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.4	2.4	.0	.0	.0	.0	4.9	1103
1-2	.3	16.0	4.3	.0	.0	.0	20.6	
3-4	.0	7.0	23.8	1.6		.0	32.5	
5-6	.0	2.2	17.6	2.7	.0	.0	22.5	
7	.0	.3	6.5	4.3		.0	11.1	
8-9	.0	.3	2.4	3.5	.0	.0	6.2	
10-11	.0	.0	.0	1.9		.0	1.9	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.3	.0	.3	
17-19		.0	.0	.0	.0	.0	.0	
20-22	•0			.0	.0	.0		
	•0	.0	.0		.0		.0	
23-25	• 0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0		.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								369
TOT PCT	2.7	28.2	54.7	14.1	.3	.0	100.0	

PERIOD: (PRIMARY) 1887-1969 (OVER-ALL) 1855-1969

TABLE 1

AREA 0019 SHARK BAY 25.45 111.36

PERCENT FREQUENCY OF WEATHER DCCURRENCE BY WIND DIRECTION

					EKCEN	FREUC	ENC!	IL MENTINER	DCC0MMENCE	01 11.	NO UIN	ECTION			
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SND	
N_	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
NE		.0	.0	.0	.0	.0									100.0
E	.0	.0	.0	.0	.0		.0	.0	.0	2.6	.0	.0	.0		97.4
SE	. 9	.7	.0	.0	.0	.0	.0	1.6	. 2	1.0	.0	.0	.7	.0	96.5
S	. 8	.4	. 2	.0	.0	.0	.0	1.4	.6	.0	.0	.0	.6		97.1
SH	1.9	.0	1.6	.0	.0	.0	.0	3.4	.3	.0	.0	.0	1.9	.0	94.4
W	1.5	2.1	2.1	.0	.0	.0	.0	5.7	.0	.0	.0	.0	1.5	.0	92.8
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0		.0	.0	• 0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	• 0		.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT TOT DBS:	1.0	.5	. 5	•0	•0	.0	.0	2.0	.3	.3	.0	.0	. 8	.2	96.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00£03 06£09 12£15 18£21	2.3	.6	1.2 .7 .0	.0	.0	.0	.0	4.1 1.3 .6 2.2	.0 .0 .0	.0 .0 .6	.0	.0	1.2	.0	94.8 98.0 98.1 94.2
TOT PCT	1.1	.5	.5	• 0	•0	.0	.0	2.1	.3	.3	.0	.0	.8	.2	96.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				ED (KN										(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	DBS	FREQ	SPD	00	03	06	09	12	15	18	21
N	.0	.5	.5	.0	.0	.0		1.0	11.5	1.6	.0	.6	. 8	. 9	.0	. 8	1.4
NE	.0	. 2	.0	. 1	.0	.0		.3	11.0	.5	1.2	. 2	.0	. 3	.0	.0	. 7
E	. 1	1.1	1.0			.0		2.8	14.2	4.2	5.8	3.6	3.4	1.9	.0	1.6	1.4
SE	. 4	5.4	14.1	5.6	*	.0		25.5	15.9	31.6	23.3	31.6	16.8	16.9	13.2	24.3	31.0
S	.4	11.4	21.1	6.6	. 2	.0		39.7	14.8	35.2	43.0	37.6	43.3	44.8	51.3	39.7	35.5
Sw	.3	8.4	9.0			.0		19.1	12.3	18.2	15.7	15.3	20.6	20.7	28.9	20.1	21.1
W	.4	3.3	3.7	.4		.0		7.9	11.9	5.7	9.9	7.9	10.5	10.3	1.3	8.1	5.5
NW	.0	1.3	1.8			.0		3.3	12.5	3.1	1.2	2.5	4.6	3.5	5.3	4.1	3.2
VAR	.0	.0	• 0			.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0
CALM	.5	••	• 0			••		.5	.0	.0	.0	.6	.0	. 7	.0	1.2	. 0
TOT UBS	31	466	759	216	7	0	1479		14.2	292	43	309	119	295	38	241	142
TOT PCT	2.1	31.5	51.3			• 0		100.0			100.0			100.0		100.0	100.0

TABLE 34

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL UBS	PCT	MEAN SPD	00	06 09	12 15	18
N	. 1	.7	.2	.0	.0		1.0	11.5	1.4	.7	. 8	1.0
NE	. 1	• 1	. 1	.0	.0		.3	11.0	.6	.1	. 3	. 3
E	. 8	. 8	. 8	.3	.0		2.8	14.2	4.4	3.5	1.7	1.5
SE	2.0	11.2	10.9	1.5	.0		25.5	15.9	30.5	27.5	16.4	26.8
S	3.4	20.7	14.0	1.6	.0		39.7	14.8	36.2	39.2	45.6	38.2
SW	2.9	11.5	4.3	. 3	. 1		19.1	12.3	17.8	16.8	21.6	20.5
W	1.7	4.0	2.0	.1	.0		7.9	11.9	6.2	8.6	9.3	7.2
NW	. 4	2.1	.9	.0	.0		3.3	12.5	2.8	3.1	3.7	3.8
VAR	.0	• 0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.5						.5	.0	.0	.5	.6	. 8
TOT UBS	175	758	490	55	1	1479		14.2	335	428	333	383
TOT PCT	11.8	51.3	33.1	3.7	. 1		100.0		100.0	100.0	100.0	100.0

-	^	+	n	•	n

			TA	ABLE 5								TA	ABLE 6					
P	CT FRE			LOUD A		EIGHTHS)		,					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085Cn	TOTAL	CDVER CDVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N NE	1.3	.1	.2	.0		1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
E SE	1.0	5.1	6.6	2.0		3.0	.0	.0	.0	.0	2.1	2.2	2.1	.0	.0	.0	2.3	
S	20.8	10.6	11.2	1.9		3.1 4.1	.0	.0	.0	1.2	2.0	2.9	2.7	.4	•1	.0	35.0	
NW NW	1.9	3.0	3.1	. 9		3.1	.2	.0	.0	.5	.5	1.1	.6	.2	.0	.0	5.9	
CALM	.0	.0	.0	.0		3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	41.3	128	27.9	6.5	100.0	3.3	. 2	.0	.0	2.7	6.5	7.8	6.8	. 8	.2	.0	395 75.1	525 100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CE	ILING	· DR	• DR	- DR	= OR	= OR	- OR	· OR	. DR
()	EFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	.2	.2	.2	.2	.2	.2	.2	
OR	>5000	.9	. 9	. 9	.9	.9	. 9	. 9	. 9
UR	>3500	7.3	7.9	7.9	7.9	7.9	7.9	7.9	7.9
OR	>2000	14.5	15.6	15.6	15.6	15.6	15.6	15.6	15,6
OR	>1000	20.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0
DR	>400	23.0	24.5	24.7	24.7	24.7	24.7	24.7	24.
OR	>300	23.0	24.5	24.7	24.7	24.7	24.7	24.7	24.
DR	>150	23.0	24.5	24.7	24.7	24.7	24.7	24.7	24.
DR	> 0	23.0	24.5	24.9	24.9	24.9	24.9	24.9	24.9
	TOTAL	122	130	132	132	132	132	132	132

TABLE 7A

PERCENTAGE FREE OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085C0 OBS 19.8 14.3 14.0 14.3 12.3 7.0 5.8 7.7 4.6 .2 586

n			

PERIOD: (PRIMARY) 1887-1969 (OVER-ALL) 1855-1969

TABLE 8

AREA 0019 SHARK BAY 25.45 111.3E

PERCENT	PREC	OF WIN	D DIRECT	ION VS	OCCURRENC NG VALUES	E OR	NON-OCCURRENC	E OF

VSBY (NM)		N	NE	E	SF	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	• 0	.0	.0	.0	. 1	. 1	.0	.0	.0	.0	. 2	
	TOT %	.0	• 0	.0	.0	.1	. 1	.0	.0	.0	.0	. 2	
	PCP	.0	.0	.0	.0	.0		.3	.0	.0	.0	.3	
2<5	NO PCP	.0	.0	.0	.0	. 7	. 2	.0	.0	.0	.0	. 8	
	TOT %	.0	.0	.0	.0	.7	.2	.3	.0	.0	.0	1.1	
	PCP	.0	•0	.0	.2	.2	. 3	.0	.0	.0	.0	.7	
5<10	NO PCP	• 1	• 1	. 7	2.9	3.2	2.7	.6	. 3	.0	.0	10.6	
	TOT *	• 1	• 1	. 7	3.1	3.4	3.0	.6	.3	.0	.0	11.3	
	PCP	• 0	.0	.0	.2	. 5	.2	.2	.0	.0	.0	1.0	
10+	NO PCP	1 . 4	.2	2.4	20.3	39.6	12.0	6.9	2.9	.0	. 8	86.4	
	TOT *	1 • 4	• 2	2.4	20.5	40.0	12.2	7.0	2.9	.0	.8	87.4	
	TOT DBS												611
	TOT PCT	1.5	. 2	3.1	23.6	44.1	15.4	7.9	3.2	.0		100.0	

TABLE 9

	222			_									
VSBY (NM)	SPD KTS	N	NE	E	SE	5	5 W	*	NW	VAR	CALM	PET	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0		. 1	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT X	.0	.0	.0		.1	.0	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
6	TOT %	.0	•0	.0	.0	.0	.0	.0	.0	.0	• 1	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	. 1	.2	.0	.0	.0		. 2	
	11-21	.0	.0	.0	.1	.4	. 2	.0	.0	.0		.7	
	22+	.0	.0	.0	. 2	.5	.0	.0	.0	.0		. 6	
	TOT *	.0	.0	.0	. 3	. 9	. 4	.0	.0	.0	.0	1.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	. 3	.1	.0	.0	.0		. 4	
	11-21	.0	.0	.0	.0	.0	.1	. 1	.0	.0		:2	
	22+	.0	.0	.0	.0	.1		. 1	.0	.0		. 2	
	TOT %	.0	• 0	.0	.0	. 4	. 2	.2	.0	.0	.0	. 8	
	0-3	.0	.0	.0	. 1	.0	.1	.2	.0	.0	.0	.4	
5<10	4-10	. 2	.2	.9	1.9	3.5	3.4	. 9	. 1	.0		11.0	
	11-21	. 1	.0	. 1	3.1	6.7	2.8	1.7	. 7	.0		15.0	
	22+	.0	.0	. 1	1.3	2.2	.7	.0	. 2	.0		4.4	
	TOT %	. 2	. 2	1.0	6.4	12.3	7.0	2.8	1.0	.0	.0	30.8	
	0-3	.0	.0	.1	. 4	.4	. 2	. 2	.0	.0	.5	1.8	
10+	4-10	.5	. 1	. 5	2.9	8.1	4.3	2.6	1.1	.0		20.1	
	11-21	. 4	.0	. 7	9.7	16.2	5.2	1.8	1.0	.0		34.8	
	22+	.0	. 1	.4	3.3	5.3	.5	. 3	.0	.0		9.9	
	TOT %	. 9	. 2	1.7	10.4	29.9	10.2	4.9	2.1	.0	. 5	66.7	

TOT DRS TOT PCT 1.1 .4 2.6 23.1 43.6 17.7 7.9 3.0 .0 .6 100.0

								осто	BER					
PERIOD: (PRIM	MARY) 1887-1 R-ALL) 1855-1							TABLE	10			AR	EA 0019	SHARK BAY .45 111.3F
				PER	CENT F		CURPEN					>4/8) 4	ND	
	HOUR (GMT)	000 149	150 299	300 599	600	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <=/8	TOTAL
	60300	.6	.0	•0	2.5	10.0	7.5	9.4	1.3	.0	.0	31.3	68.8	160
	90300	.0	.0	•0	2.1	6.4	6.4	5.7	.7	.0	.0	21.3	78.7	141

1 0 0 14 34 41 37 4 1 0 132 .2 .0 .0 2.5 6.0 7.2 6.5 .7 .2 .0 23.2

.0 .0 .0 .7 1.4 6.5 6.5

12615

18821

TOT PCT

.0

				TA	BLE 1	1						TABLE	12		
			PERCENT	FREQUENCY	VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	AND/DR
	GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
(00603	.0	.0	2.1	1.1	29.2	67.6	281	60803	.7	.7	3,4	30.4	66.2	148
(90360	.0	.0	.8	.4	28.3	70.5	237	90300	.0	.0	2.2	20.0	77.8	135
1	12615	.4	.4	1.5	1.5	32.2	64.0	261	12815	.0	.0	.8	15.6	83.6	128
1	18621	.0	.0	1.3	.0	35.4	63.3	237	18821	.0	.0	5.0	20.8	74.2	120
	TOT PCT	.1	.1	15 1.5	.8	317	674 66.3	1016	PCT	.2	.2	15	117	399 75.1	531 100.0

.0 .0 .0 15.2

84.8

76.3

138

131

				т.	ABLE 1:	3									TABL	E 14				
	PERCE	ENT FR	EOUENC	Y OF R	ELATIV	HUMI	DITY BY	Y TEMP				PFRC	ENT FR	EQUEN	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	s	SW	W	NW	VAR	CALM
80/84	.0	.0	.0	.1	.0	. 1	.0	.0	2	.2	.0	.0	.0	. 1	.1	.0	.0	.0	.0	.0
75/79	.0	.0	.0	. 2	.6	. 9	.4	. 1	18	2.2	. 2	. 1	. 2	. 4	. 7	. 2	. 3	*	.0	.0
70/74	.0	.0	. 2	1.6	4.8	8.5	6.8	2.2	196	24.3	. 8	+1	. 8	5.4	11.0	3.3	1.5	. 9	.0	. 6
65/69	.0	. 1	.2	3.6	11.6	19.9	15.8	5.1	456	56.4	. 3	.4	1.1	12.7	25.4	9.3	5.0	2.2	.0	.1
60/64	.0	.0	.0	1.0	6.7	4.2	3.6	1.0	133	16.5	.0	.0	.1	3.7	6.7	5.1	. 7	*	.0	.0
55/59	.0	.0	.0	.0	.1	. 1	. 1	.0	3	.4	.0	.0	.0	. 2	. 1		.0	.0	.0	.0
TOTAL	0	1	4	53	193	273	216	68	808	100.0										••
PCT	.0	. 1	.5	6.6	23.9	33.8	26.7	8.4	•		1.3	.5	2.3	22.6	44.0	18.0	7.5	3.1	.0	. 7

75/79				2 1.6		8.5				2.2	.2			5.4	11.0	3.3	.3	* .0	.0
65/69				2 3.6		19.9					• 3			12.7	25.4	9.3		.2 .	
60/64				0 1.0		4.2					.0			3.7	6.7	5.1	.7	*	
55/59				0 .0							.0								
TOTAL			1 .	4 53		273	21		8 808	100.0	•••	.0	.0	.2		•	.0	.0 .0	.0
PCT		0.	1 .	5 6.6	23.9	33.8	26.	7 8.	4		1.3	5	2.3	22.6	44.0	18.0	7.5 3	.1 .0	.7
				TAF	LF 15										TABL	E 16			
	MEANS,	EXTREM	ES AND	PERCEN	TILES (F TEM	P (DE	G F) B	Y HOUR			PERC	ENT FRE	QUENCY	DF RE	LATIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL		HOUR (GMT)	0-29	30-59	60-69	70-7	9 80-89	90-100	MEAN	TOTAL
00803	80	76	73	67	62	60	59	67.4	332		00603	.0	10.8	19.5	34.	5 27.3	7.8	74	231
06609	80	79	75	69	64	62	59	69.2	413		06609	.0	15.3	27.9	37.	14.7		71	190
12815	78	74	72	67	63	60	60	67.4	329		12615	.0	. 9	25.5	33.0				212
18621	79	73	71	66	61	60	59	66.0	370		18621	.0	2.1	23.4					188
TOT	80	76	73	67	63	60	59	67.6	1444		TOT	0	60	196				75	821

PERIOD: (PRIMARY) 1887-1969 (OVER-ALL) 1855-1969

TABLE 17

4REA 0019 SHARK BAY 25.45 111.3E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	57	61	65	69	73	77	TOT	W	WD
TMP DIF	60	64	68	72	76	80		FOG	FDG
11/13	.0	.0	.0	.0	.2	.0	1	.0	.2
9/10	.0	.0	. 2	. 2	.0	.0	2	.0	. 4
7/8	.0	.0	.0	. 4	.0	. 2	2	.0	.6
	.0	. 0	.0	.0	.0	. 2	1	.0	. 2
	.0	.0	.0	. 2	.6	.4	1 6	.0	1.3
4	.0	. 2	.0	.6	1.7	.0	12	.0	2.6
3	.0	.0	. 2	1.1	1.9	.0	15	.0	3.2
2	.0	. 2	.6	3.4	1.1	.0	25	.0	5.4
1	.0	.0	2.6	4.1	1.9	.0	40	.0	8.6
6 5 4 3 2 1 0	.0	. 5	4.3	7.3	1.3	. 2	62	.0	13.3
-1		.6	6.0	7.1	.4	.0	66	.0	14.2
-2	.0	1.3	11.0	4.5	. 2	.0	79	.0	17.0
-3	.0	1.7	£.0	1.5	. 2	.0	53	.0	11.4
-4	.0	2.2	6.5	. 2	.0	.0	41	.0	8.8
-5	.0	2.4	4.7	.9	.0	.0	37	.0	8.0
-6	.0	. 2	1.1	. 2	.0	.0	7	.0	1.5
-7/-8	.6	1.5	. 9	.2	.0	.0	15	.0	3.2
TOTAL	3		214		45			0	465
IOIPL	2	49		149		5	465		
PCT	.6	10.5	46.0	32.0	9.7	1.1	100.0		100.0

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

				PC	T FRED O	F WIND	SPEED	(KTS) AND	DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
1-2	.0	.4	.4	.0	• 0	.0	. 8		.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	. 3	.0	• 0	.0	.3		.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	. 8	.0	.0	.0	.8		.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	. C		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0.		.0	.0	.0
23-25	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	. C		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	1.5	.0	.0	.0	1.8		.0	.0	.0	. 0	.0	.0	.0
				F					1-3	4-10	11-21	22-33	34-47	48+	PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		.0	.4	.0	.0	.0	.0	. 4
<1	.0	. 4	.0	.0	• 0	.0	.4		.0	1.7	.8	.0	.0	.0	2.5
1-2	.0	.0	.0	.0	.0	• 0	.0		.0	1.3	5.4	.0	.0	.0	6.7
3-4	.0	. 4	.6	.0	• 0	.0	1.0		.0	.1	4.3	.5	.1	.0	4.9
5-6	.0	.0	.4	.4	.0	.0	.8		.0	.0	1.2	1.8	.0	.0	3.0
7	.0	.0	.7	.0	.0	.0	.3		.0	.0	.5	1.3	. 0	.0	1.7
8-9	.0	.0	.0	. 3	.0	.0	.4		.0	.0	.0	.6	.0	.0	.6
10-11	.0	.0	.0	.0	. 4		.3		.0	.0	.0	.5	. 1	.0	.6
12	.0	.0	.0	.0	.3	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0		.0		.0	.0	.0	.4	.0	.0	. 4
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0		.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0					.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	• 0			.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	• 0	0.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0			.0	3.5	12.1	5.0	. 2	.0	20.8
TUT PCT	.0	. 8	1.6	.7	. 7	• 0	3.8		• 0			2.0			-

							• 0	.0	.0	.0			••	• 0	259						
					TOT	PCT	1.2	23.9	54.8	18.1	1	. 9	.0 100		.,,						
PERIOD:	(DV	ER-ALL)	194	9-1969	,				TABLE	19											
					PERCEN	T FRE	QUENCY	OF WA	VE HEIG	HT (FT) VS 1	NAVE P	FRIDD	SECON	05)						
PERIOD (SEC)	< 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	.0	5.6	10.9	3.1	1.9	1.5	.7	.0	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99	4
6-7	.0	1.2	4.8	7.0	8.7	3.1	1.7	.7	.0	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	114	6
8-9	.0	.0	2.7	7.3	5.8	4.1	1.5		1.0	.0	. 2	.0	.0	.0		.0		.0	.0	100	7
10-11	.0	.0	. 2	2.2	2.9	2.9			. 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51	8
12-13	.0	.0	.2	.5	. 2	1.9		. 5	. 5	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	9
>13	.0	.0	.0	. 2	. 7	. 2	.5	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		8
INDET	.2	.0	1.2	1.5	1.5	. 7	.0	.0	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	6
TOTAL	1	28	83	90	90	60		15	11	2	1	0	0	0	0	0	0	0	0	413	6
PCT	. 2	6.8	20.1	21.8	21.8	14.5	7.7	2 6	2.7	. 5	. 2	.0	-0	- 0	- 0	. 0	0	0	0	100 0	-

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.2	1.9	.0	.0	.0	.0	3.1	
1-2	.0	9.7	5.8	.0	.0	.0	15.4	
3-4	.0	10.8	22.8	.4	.0	.0	34.0	
5-6	.0	1.2	16.2	3.9	.4	.0	21.6	
7	.0	. 4	8.1	7.3	.0	.0	15.8	
8-9	.0	.0	1.5	3.1	.0	.0	4.6	
10-11	.0	.0	.4	1.9	.4	.0	2.7	
12	• 0	.0	.0	. 8	. 8	.0	1.5	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	. 4	. 4	.0	. 8	
20-22	.0	.0	.0	.4	.0	.0	.4	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								259
TOT PCT	1.2	23.9	54.8	18.1	1.9	.0	100.0	-

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIREC	CTION V	ERSUS S	EA HEIG	HTS (FT)			
				s								SW				
HGT 1	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
	.0	. 4	.0	.0	.0	.0	.4		.0	.0	.0	.0	.0	.0	.0	
	.0	3.5	3.0	.0	.0	.0	6.6		.0	2.9	1.3	.0	.0	.0	4.2	
3-4	.0	5.9	9.7	. 4	• 0	.0	16.0		.0	1.1	5.2	.0	.0	.0	6.3	
	.0	1.1	7.4	2.6	• 3	.0	11.3		.0	.0	1.6	. 4	.0	.0	2.0	
7	.0	.0	5.1	4.3	.0	.0	9.4		.0	.4	. 8	.1	.0	.0	1.3	
	.0	.0	.7	1.6	.0	• 0	2.2		•0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	. 4	1.0	.0	.0	1.4		.0	.0	.0	.4	.0	.0	. 4	
12	.0	. 0	.0	.3	.4	. 0	.7		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.3	.0	. 3		.0	.0	.0	.0	. 1	.0	. 1	
20-22	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.4	. 0	.0	. 4	
23-25	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	•0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	•0	• 0	.0		.0		.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0	.0	.0	• 0	.0		• 0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0		.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	10.9	26.3	10.1	1.0	• 0	.0		.0	4.4	8.9	.0	.0	.0	.0	
TOT PCT	. 0	10.9	20.3	10.1	1.0	•0	48.3		• 0	7.7	0,9	1.3	.1	.0	14.6	
				v								NW				TOTAL
HGT 1	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	• 0	.0	.0		.0	.4	.0	.0	.0	.0	. 4	
	.0	. 3	.4	.0	.0	• 0	.7		• 0	. 8	.0	.0	.0	.0	. 8	
	.0	1.5	. 8	.0	.0	.0	2.4		.0	.6	. 9	.0	.0	.0	1.5	
	.0	.0	1.5	.0	.0	.0	1.5		.0	.0	.4	.0	.0	.0	.4	
	.0	.0	. 4	. 8	• 0	.0	1.2		.0	.0	.0	.4	.0	.0	. 4	
	.0	.0	.4	.0	.0	.0	.4		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	. 0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0	.0	• 0	.0	.0		• 0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.9	3.4	.8	•0	• 0	6.1		• 0	1.7	1.3	.4	.0	.0	3.4	98.8

PERIOD: (OVER-ALL) 1963-1969

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

PERIOD: (PRIMARY) 1916-1972 (DVER-ALL) 1855-1972

TABLE 1

AREA 0019 SHARK BAY 25.55 111.4E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE		
N	9.1	.0	.0	•0	•0	•0	.0	9.1	.0	.0	.0	.0	.0	.0	90.9
NE	15.8	.0		.0	.0	.0	.0		.0						56.0
E SE	28.0	.0	16.0	.0	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	97.9
25	1.0	.0	.0	.0	.0	.0	.0	.8	.9	.9	.0	.0	3.3	.0	34.1
S	.0	. 5	. 3	.0	.0	.0	.0								
SW	1.6	2.7	.0	.0	.0	.0	.0	4.3	1.3	1.6	.0	.0	3.8		90.6
W	1.7	.0	3.4	.0	.0	.0	.0	5.0	.0	1.7	.0	.0	.0		95.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	. C	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT TOT DBS:	1.1	.7	.5	•0	•0	.0	.0	2.3	.7	1.1	.0	.0	2.5	.0	93.8

PERCENT	FREQUENCY	OF	WEATHER	DCCURRENCE	BY	HOUR

						KCENT	PACAOE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			0				
			P	RECIPI	TATION	TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN SH#R	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	SIG MEA
00803 06809 12815 18821	2.0 .7 .0 1.5	1.4 .0 .0	1.4 .0 .7	.0 .0 .0	.0	.0	.0	4.8 .7 .7 3.0	.7 .7 .7 .8	.7 .7 1.4 1.5	.0	.0	2.0 2.7 3.6 1.5	.0	92.5 95.9 93.5 93.2
TOT PCT TOT UBS:	1.1	.7	.5	•0	•0	.0	.0	2.3	.7	1.1	.0	.0	2.5	.0	93.8

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	UTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.0	.6	.2	.0	.0	.0		.9	9.6	1.3	.0	.9	.5	1.2	1.4	. 3	. 9
NE	. 1	.5	• 1		.0	.0		. 8	8.7	1.9	2.2	.0	1.0	. 4	.0	. 9	. 5
E	.0	. 9	. 4	.1	.0	.0		1.4	11.1	3,3	7.8	1.1	.5	. 2	.0	1.0	. 5
SE	.0	3.8	10.6	4.8	. 2	.0		19.5	16.8	23.5	22.2	24.2	14.5	12.3	6.1	18.7	25.0
S	. 4	12.0			. 5	.0		53.8	16.0	51.8	45.6	51.3	56.0	58.0	76.4	51.9	51.9
SW	. 3	7.5	7.2	1.2		.0		16.2	12.1	12.6	21.1	13.5	19.5	18.0	10.8	19.5	16.5
W	. 2	2.4	1.6			.0		4.4	11.5	3.1	1.1	4.7	4.0	6.3	4.1	6.3	. 9
NW	. 4	1.7	.6		.0	.0		2.9	9.0	2.0	.0	3.8	4.0	3.5	1.4	1.4	4.2
VAR	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0
CALM	. 2				•			. 2	.0	.4	.0	.4	.0	.0	.0	.0	. 0
TOT DBS	18	363	629	213	9	0	1232		14.9	233	45	266	100	248	37	197	105
TOT PCT	1.5	29.5	51.1			.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDT5) 28-40	41+	TUTAL	PCT	MEAN SPD	00	06 09	12 15	18
N	.3	.5	. 1	.0	.0		.9	9.6	1.1	. 8	1.2	.5
NE	. 4	.3	. 1	.0	.0		. 8	8.7	2.0	. 3	. 4	. 6
E	. ?	1.1	. 2	.0	.0		1.4	11.1	4.0	1.0	.2	. 8
SE	. 7	8.5	8.9	1.3	.0		19.5	16.8	23.3	21.6	11.5	20.9
5	2.5	25.8	22.5	3.0	. 1		53.8	16.0	50.8	52.6	60.4	51.9
SW	2.2	10.9	2.7	. 4	.0		16.2	12.1	13.9	15.2	17.1	18.5
W	. 9	2.6	1.0	.1	.0		4.4	11.5	2.8	4.5	6.0	4.5
NW W	1.0	1.6	.3	.0	.0		2.9	9.0	1.7	3.8	3.3	2.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	. 2						.2	.0	. 4	. 3	.0	.0
TOT ORS	102	630	441	58	1	1232		14.9	278	366	285	303
TOT PCT	8.3	51.1	35.8	4.7	. 1		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1916-1972 (OVER-ALL) 1855-1972

AREA 0019 SHARK BAY 25.55 111.4E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00603	.4	1.8	32.0	47.5	17.6	.7	.0		100.0	278
90300	. 3	. 5	30.9	52.2	15.3	. 8	.0	14.8	100.0	366
12615	.0	. 7	24.2	53.7	21.1	.4	.0	15.8	100.0	285
18621	.0	2.3	30.4	50.5	15.8	1.0	.0	14.5	100.0	303
TOT	2	16	363	629	213	9	0	14.9		1232
PCT	. 2	1.3	29.5	51.1	17.3	.7	.0		100.0	-

P	CT FRE					EIGHTHS)		1					CEILIN					
		8	A MIN	DIRFC	TION					AND DC	CURREN	CE DF	NH <5/	B BY W	IND D	RECTI	3N	
						MEAN												
WND DIR	0-2	3-4	5-7	3 8	TOTAL	CLOUD	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
				DBSCD	OBS	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	DBS
N	. 3	.2	.0	.0		1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.5	
NE	.0	. 2	.0	.0		3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	
E	. 4	. 2	.4	.4		5.1	.0	.0	.0	.0	.4	. 2	. 2	.0	.0	.0	.5	
SE	5.4	4.6	6.6	1.3		3.9	.0	.0	.0	. 6	1.6	1.8	. 8	. 7	.0	.0	12.2	
S	20.9	15.6	17.5	3.8		3.6	.0	.0	.0	1.0	6.6	7.2	2.5	. 7	.0	. 2	39.6	
SW	4.7	4.9	3.3	2.7		4.0	.0	.0	.2	.7	1.4	1.6	. 9	.0	.0	. 1	10.6	
W	2.5	1.1	1.1	.4		3.4	.0	.0	.0	.0	. 9	. 4	.0	.0	.0	.0	3.8	
NW	. 5	. 4	. 5	.0		3,5	.0	.0	.0	.0	. 1	.0	.0	.0	.0	.0	1.4	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	.0	.0	.0		1.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	
TOT OBS	167	130	141	41	479	3.7	0	0	1	11	53	54	21	7	0	1	331	479
TOT PCT	34.9	27.1	29.4	8.6	100.0		• 0	.0	. 2	2.3	11.1	11.3	4.4	1.5	.0	. 2	69.1	100.0

TABLE 7

CUMULATIVE PCT FREQ	OF SIMULTANEOUS OCCURRENC	E
	(NH >4/8) AND VSBY (NM)	

					VSBY (NM	1)			
CE	ILING	■ OR	- DR	= DR	= DR	= DR	- DR	• OR	- DR
(F	EFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR	>6500	.2	.2	.2	.2	.2	.2	.2	.2
OR	> 4000	1.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9
OR	>3500	6.0	6.2	6.2	6.2	6.2	6.2	6.2	6.2
DR	>2000	16.1	17.6	17.8	17.8	17.8	17.8	17.8	17.8
OR	>1000	25.0	28.5	28.7	28.7	28.7	28.7	28.7	28.7
DR	>600	26.4	30.6	31.0	31.0	31.0	31.0	31.0	31.0
OR	>300	26.7	30.8	31.2	31.2	31.2	31.2	31.2	31.2
OR	>150	26.7	30.8	31.2	31.2	31.2	31.2	31.2	31.2
	> 0	26.7	30.8	31.2	31.2	31.2	31.2	31.2	31.2
	TOTAL	129	149	151	151	151	151	151	151

TOTAL NUMBER OF DBS: 484 PCT FREO NH 45/81 68.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 14.3 13.2 15.3 16.5 8.5 7.9 7.8 8.7 7.8 .0 516

NO	V	E	M	а	£	R	

PERIOD:		914-1972 855-1972						TAI	BLE 8				ARE	A 0019 St	HARK BAY 55 111.4F	
			PE	RCENT	FRED PREC	OF WIN	D DIRE	C ION	VS DCC	URRENCI	E DR N	IBILI:	CURRENC	E OF		
	VSBY (NM)		N	NE	6	SF	5	SW	w	NW	VAR	CALM	PCT	TOTAL		
		PCP	.0	.0	.0	. 2	.0	.0	.0	.0	.0	.0	.0			
	<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	1<2	NO PCP	• 0	.0	.0	.0	. 4	.0	.0	.0	.0	.0	.4			
		TOT %	• 0	.0	.0	.0	. 4	.0	.0	.0	.0	.0	.4			
		PCP	• 0	.0	.0	.0	.?	.0	.0	.0	.0	.0	.2			
	2<5	NO PCP	.0	.0	.0	.0	. 1	.3	. 1	.0	.0	.0	.5			
		TOT %	• 0	.0	.0	.0	. 3	. 3	. 1	.0	.0	.0	.7			
		PCP	• 1	.1	.4	. 2	.1	.5	. 1	.0	.0	.0	1.4			
	5<10	NO PCP	• 0	.0	. 1	3.0	10.1	2.7	. 3	. 2	.0	.0	16.3			
		TOT %	• 1	• 1	.5	3.2	10.2	3.2	.4	. 5	• 0	.0	17.7			
		PCP	.0		.1	.0	.2	.2	. 2	.0	.0	.0	.7			
	10+	NO PCP	. 9	.7	. 5	13.7	45.7	12.8	4.6	1.3	.0	. 2	80.5			
		TOT %	. 9	. 8	.6	13.7	45.9	13.0	4.8	1.3	.0	. 2	81.2			
		TOT DBS												564		
		TOT PCT	1.0	. 8	1.1	16.9	56.7	16.4	5.3	1.5	.0	. 2	100.0			

TABLE 9

VSBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TUTAL
(NM)	KTS			-	36		-						DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-71	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1		.0	.0	.0	.0	. 2	. 3	.0	.0	.0		. 4	
	11-21	.0	.0	.0	. 1	.3	. 1	.0	.0	.0		.4	
	22+	.0	.0	.0	.0	. 2	.0	.0	.0	.0		. 2	
	TOT %	.0	.0	.0	. 1	.7	.3	.0	.0	.0	.0	1.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	:1	
1<2	4-10	.0	.0	. 1	. 2	. 3	.0	.0	.0	.0		. 5	
	11-21	.0	.0	.0	. 2	1.9	. 1	.0	- 1	.0		2.3	
	22+	.0	.0	.0	.0	. 3	. 2	.0	.0	.0		. 5	
	TOT %	.0	.0	.1	.4	2.5	.3	.0	. 1	.0	.1	3.4	
	0-3	.0	.0	.0	.0	,0	.0	.0	.0	.0	.0	.0	
2.45	4-10	.0	.0	.0	.0	.0	. 1	. 1	.0	.0		.2	
	11-21	.0	.0	.0	.0	. 2		.0	.0	.0		. 2	
	27+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT &	.0	.0	.0	.0	.2	. 2	.1	.0	.0	.0	.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10		. 2	• 1	.4	.6	4.9	2.5	. 5	. 5	.0		9.6	
	11-21	. 2	. 1	.3	3.5	9.0	2.5	. 5	. 2	.0		16.3	
	22+	.0	.0	.0	1.9	4.8	.4	. 2	.0	.0		7.3	
	TOT %	. 4	• 1	.7	6.1	18.6	5.4	1.2	.7	.0	,0	33.2	
	0-3	.0	•1	.0	.0	. 2	.3	. 2	. 2	.0	.1	1.1	
10+	4-10	.5	. 4	. 5	2.0	6.1	4.7	1.8	.7	.0		16.7	
	11-21	. 1		. 1	6.7	20.7	4.7	1.2	. 3	.0		33.8	
	22+	.0	.0	.0	2.4	7.3	.5	.1	.0	.0		10.3	
	TOT %	.6	.5	.6	11.1	34.3	10.3	3.3	1.2	.0	.1	61.9	
	TOT DAS												964
	TOT PCT	1.0	.6	1.3	17.6	56.3	15.4	4.5	2.0	.0	. 2	100.0	

							NOVE	BER					
RIMARY) 1916-1							TABLE	10			AR		SHARK BAY .55 111.46
			PER	CENT F	REQUEN	CY OF	CEILIN	IG HE I G NH <5/	HTS (F	EET,NH DUR	>4/8) A	NO	
HDUR (GMT)	000	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS -
00603	.0	.0	. 8	3.8	15.3	15.3	3.8	2.3	.0	. 8	42.0	58.0	131
06609	.0	.0	•0	.7	6.4	10.6	3.5	.7	.0	.0	22.0	78.0	141
12815	.0	.0	.0	.8	5.7	9.0	3.3	. 8	.0	.0	19.7	80.3	122
18621	.0	.0	.0	3.7	15.9	9.3	6.5	2.8	.0	0	38.3	61.7	107
TOT PCT	.0	.0	.2	11	53	56 11.2	4.2	8	.0	.2	151 30.1	350 69.9	501 100.0

			TA	BLE 1	1	,					TABLE	12		
		PERCENT	FREQUENCY	VSBY	(NN)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HUUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00103	.0	1.6	5.7	. 8	26.5	65.3	245	00803	.0	.8	5.4	36.9	57.7	130
90360	.0	.4	4.1	.0	29.3	66.1	242	06609	.0	.0	.7	22.1	77.2	136
12615	.0	1.2	2.0	.4	38.7	57.7	253	12615	.0	.0	.9	20.0	79.1	115
18521	.0	.9	1.7	.4	38.1	58.9	231	18821	.0	.0	4.9	35.9	59.2	103
TOT PCT	.0		33	4	322		971 100.0	TOT PCT	.0	.2	2.9	138	332 68.6	484

				TA	BLE 13	3									TABL	E 14				
	PERCE	NT FREG	UENC	OF RE	LATIVE	HUMI	TTY BY	TEMP				PERCE	ENT FR	EQUENC	Y OF W	IND DI	RECTION	BY T	EMP	
TEMP F	0-29	30-39 4	0-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	w	NW	VAR	CAL
80/84	.0	.0	.0	.3	.0	.1	.1	. 1	5	.6	.0	.1	.2	. 1	.1	.1	.0	. 1	.0	. (
75/79	.0	.0	.0	. 6	.6	3.3	1.3	. 0	53	6.7	.1	. 2	. 1	1.0	3.6	1.0	. 3	. 5	.0	. (
70/74	.0	.0	.1	1.5	6.3	11.4	12.8	5.7	299	37.9	.4	. 1	.6	5.1	23.4	6.6	1.2	.5	.0	
65/69	.0	.0	.0	2.0	11.9	18.0	13.1	2.9	378	48.0	. 3	. 1	. 3	9.7	26.4	8.0	2.5	. 5	.0	
60/64	.0	.0	.0	. 1	2.3	2.7	1.3	.3	52	6.6	. 1	. 1	.0	1.7	3.0	1.1	. 6	.0	.0	
55/59	.0	.0	.0	.0	.0	.0	. 1	.0	1	. 1	.0	.0	.0	.0	.0	. 1	.0	.0	.0	
TOTAL	0	0	1	36	167	280	226	78	788	100.0										
PCT	.0	.0	. 1	4.6	21.2	35.5	28.7	9.9			.8	.6	1.3	17.5	56.4	16.9	4.6	1.7	.0	

				TAP	LE 15									TABLE	16			
	ME ANS,	XTREME	S AND	PERCEN	TILES	OF TEM	P (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOUR	
HOUR (CMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	84	83	77	69	64	62	58	69.6	276	60300	.0	7.5	20.4	34.8	27.4	10.0	75	201
90300	86	81	77	71	66	64	62	71.0	353	90300	.0	8.3	31.3	34.9	20.3	5.2	73	192
12615	78	77	75	69	65	62	61	69.2	286	12615	.0	1.0	17.5	34.0	35.0	12.6		206
18521	77	73	72	67	63	61	60	67.5	303	18821	.0	2.1	15.5	38.9	32.1	11.4	78	193
TOT	86	79	76	69	64	62	58	69.4	1218	TOT	0	37	167	282	228	78	76	792

PERIOD: (PRIMARY) 1916-1972 (UVER-ALL) 1855-1972

TABLE 17

AREA 0019 SHARK BAY 25.55 111.4E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

	WIL.	JLM							
AIR-SEA	61	65	69	73	77	81	TOT	W	WO
TMP DIF	64	68	72	76	80	84		FUG	FDG
11/13	.0	.0	.0	.0	.0	.4	2 2 5 11	.0	.4
9/10	.0	.0	.0	.0	.0	. 4	2	.0	. 4
7/8	.0	.0	.0	. 4	. 4	. 2	5	.0	1.1
5	.0	.0	.2	. 9	1.3	.0	11	.0	2.4
	.0	.0	1.5	1.1	. 2	.0	13	.0	2.8
3	.0	. 5	1.1	1.5	. 2	.0	14	.0	3.1
2	.0	. 9	2.6	1.5	.7	.0	26	.0	5.7
3 2 1 0 -1	. 0	2.2	0.1	3.7	. 4	.0	57	.0	12.4
0	1.3	4.4	9.6	1.3	.0	.0	76	.0	16.5
-1	.7	4.5	5.7	. 9	.0	.0	54	.0	11.9
-2	.4	8.3	7.8	. 2	.0	.0	77	.0	16.8
-3	.7	5.7	3.3	.0	. 4	.0	46	.0	10.0
-4	.4	3.9	1.7	.0	.0	.0	28	.0	6.1
-5	1.1	3.1	.7	.0	.0	.0	22	.0	4.8
-6	1.1	1.5	.2	.0	.0	.0	13	.0	2.8
-7/-8	.9	1.5	.4	.0	.0	.0	13	.0	2.8
TOTAL	30	1.0	188	•••	17		••	0	459
IDIAL	30	166	100	53	•	5	459		
PCT	6.5	36.2	41.0	11.5	3.7	1.1	100.0		100.0

PERIOD: (DVER-ALL) 1963-1972

TAPLE 18

				PC	T FREQ D	F WIND	SPEED	(KTS) AND D	IREC	TION VI	RSUS SI	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0		.0	. 4	.0	.0	.0	.0	.4
1-2	.0	.0	.0	.0	.0	• 0	. C		.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.4	.0	.0	.0	. 4		.0	.0	. 1	.0	.0	.0	. 1
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	• C	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
01-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.4	.0	.0	.0	.4		.0	. 4	. 1	.0	.0	.0	. 5
	•											SE			
HGT	1-3	4-10	11-21	F 22-33	34-47	48+	PCT	1	-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	.0	.0	.0	• 0	. 8		.0	1.1	. 5	.0	.0	.0	1.6
3-4	.0	.0	.6	.0	.0	.0	.6		.0	.0	1.9	.0	.0	.0	1.9
5-6	.0	.0	.0	.0	.0	• 0	.0		.0	. 4	3.3	.7	.0	.0	4.4
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	1.6	.0	.0	.0	1.6
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	1.2	.6	.0	.0	1.8
10-11	.0	.0	.0	. 0	.0	• 0	.0		.0	.0	.0	.1	.0	.0	. 1
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.5	.0	.0	.5
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	. 0	.0
23-25		.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
	.0	.0	.0	.0	.0	.0	.0		.0	. 0	.0	.0	.0	.0	.0
33-40	.0		.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0				.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	• 0	•0	1.5		.0	1.5	8.5	2.0	.0	.0	12.0
THT PCT	.0	. 8	.6	.0	•0	•0	1.5				,				

PERIOD: (UVER-ALL) 1963-1972 TABLE 18 (CONT) POT FREO OF KIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 1-2										NOVEMBER							
PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT 1-3 4-10 11-21 527-33 394-47 48+ PCT 1-3 4-10 11-21 25 84 34-47 48+ PCT 41-4	PERIOD:	(DVE	K-ALL)	1963-1	1972									AREA			
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT PCT PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT									TABLE	18 CONT)				25.	55 111	.4E
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT																	
HGT 1-3 4-10 11-21 27-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-2 1.2 4-10 11-21 22-33 34-47 48+ PCT 1-2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.					PC	T FREO	OF WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS	SEA HEIC	HTS (FT)		
HGT 1-3 4-10 11-21 27-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-2 1.2 4-10 11-21 22-33 34-47 48+ PCT 1-2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.					23 -00												
1 1-2											10	11	SW				
1-2 0 422 3,9 0 0 0 0 8.2 44 4,3 2,3 0 0 0 0 7.1 3-4 4.3 2.3 0 0 0 0 7.1 3-4 3-4 0 3.7 13.0 1.8 0 0 0 17.6 0 0 3.6 3.9 0 0 0 0 7.5 5-6 0 1.9 12.3 1.8 0 0 0 16.0 0 0 16.0 0 1.9 11 0 0 0 2.6 7 0 0 0 3.4 1.7 0 0 0 5.1 0 0 1.4 0 0 0 1.4 0 0 0 0 1.4 0 0 0 0 1.4 0 0 0 0 1.4 0 0 0 0 1.4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
3-4																	
5-6																	
7					,												
No. 10																	
10-11																	
122																	
13-16																	
17-19																	
20-22																	
23-25																	
26-32																	
33-40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
41-48																	
49-60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
61-70																	
HGT																	
TOT PCT																	
TOT PCT .0 11.0 37.0 7.5 .0 .0 55.5 88 9.5 9.5 .7 .0 .0 20.7 HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT (1 .0 .3 .3 .0 .0 .0 .0 .0 .2 .6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																	
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT C1 .0 .3 .0 .0 .0 .0 .0 .2 .3 .0 .1 .0 .0 .0 .0 .0 .0 .1 .1 .1-21 22-33 34-47 48+ PCT PCT C1 .0 .2 .6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																	
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT C1 1-0 3 -0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		••											• • •				
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT C1 1-0 3 -0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
C1					W								NW				
1-2 0 2.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	PCT
3-4 0 2.3 1.2 0 0 0 3.5 0 1.0 0 0 0 1.0 0 1.0 0 1.0 7 0 0 0 1.0 0 0 1.0 0 1.0 5-6 0 0 0 0 1.2 3 0 0 0 0 1.5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		.0				.0	• 0	.3		.0					.0	. 1	
5-6				.0							. 0						
7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
8-9																	
10-11																	
12																	
13-16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
17-19																	
20-22																	
23-25																	
26-32 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
33-40																	
41-48 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																	
49-60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																	
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																	
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																	
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																	
TUI PCI .0 5.3 2.3 .3 .0 .0 7.9 .0 1.1 .0 .0 .0 .0 1.1 99.6																	
	TUT PUT	.0	5.3	2.3	. 3	• 0	• 0	7.9		• 0	1.1	.0	.0	.0	.0	1.1	99.6

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.3	3.0	.0	.0	.0	.0	4.2	DD3
1-2	. 4	13.1	6.8	.0	.0	.0	20.3	
3-4	.0	10.5	21.1	. 8	.0	.0	32.5	
5-6	.0	3.0	18.6	3.0	.0	.0	24.5	
7	.0	.0	6.3	1.7		.0	8.0	
8-9	.0	.0	4.6	3.4	.0	.0	8.0	
10-11	.0	.0	. 8	. 4	.0	.0	1.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	. 8	.0	.0	. 8	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	. 4	.0	.0	.4	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60		.0		.0	.0	.0	.0	
61-70	.0		.0					
	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	. 0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								237
TOT PCT	1.7	29.5	58.2	10.5	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PEPIOD <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ TOTAL MEAN HGT (SECONDS)

**OCCUPATION OF THE PROOF OF THE PR

PERIOD: (PRIMARY) 1924-1972 (OVER-ALL) 1855-1972

TABLE 1

AREA 0019 SHARK BAY 25.55 111.3E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

					ENCEN	, KEEC	C.10.			-,					
			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FKZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23.5	.0	76.5
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	.0	86.7
								.0	.0	. 9	.7	.0	2.3	1.4	94.8
SE	.0	.0	.0	.0	.0	.0	.0	.0	.2	.6	.0	.0	1.9	.4	96.9
5	.0	.0	.0	.0	.0		.0		.9		.0		5.2	1.1	88.9
SW	.0	2.6	.0	.0	.0	.0	.0	2.6		.4		.0			
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	.0	.0	5.0	.0	88.1
NW	.0	21.1	.0	.0	.0	.0	.0	21.1	.0	.0	.0	.0	.0	.0	78.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	702	.6	.0	•0	•0	.0	.0	.6	.3	.7	.1	.0	3.0	.7	94.6

TABLE 2

PERCENT FREDUFNCY OF WEATHER OCCURRENCE BY HOUR

			p	RECIPI	TATION	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	.0	.6 .0 .6	.0	.0	.0	.0	.0	.6 .0 .6 1.1	.6	.0 .6 .0 2.3	.0	.0	3.9 4.7 2.8 .6	1.2 1.1	94.4 93.6 95.0 95.4
TOT PCT TOT DBS:	704	.6	.0	•0	•0	.0	.0	.6	.3	.7	.1	.0	3.0	.7	94.6

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				ED (KN				-						(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.0	. 2	.0	.0	.0	.0		.2	8.6	.4	.0	. 2	.0	.4	.0	.0	.0
NE	. 1	.4		.0	.0	.0		. 5	6.3	. 5	.0	. 8	.0	1.0	.0	.1	. 5
E	.1	.6	.2	.0	. 1	.0		1.0	10.7	1.0	6.5	.6	.0	1.0	.0	1.2	. 0
SE	.0	3.7	9.8	7.8		. 1		21.5	18.3	22.7	22.2	24.8	14.3	15.3	3.3	24.7	25.7
5	. 5	10.1	35.1	11.7	1.1	.0		58.5	16.8	60.1	54.6	56.1	59.5	60.0	65.0	58.9	55.5
Sw			8.0	1.0	.0	.0		14.5	13.1	11.7	13.0	13.0	19.0	20.4	31.7	12.4	8.9
ŭ.,	.0	1.3	.7	.0	.0	.0		2.0	9.8	2.2	.0	2.7	2.4	1.0	.0	2.0	4.4
NW	.0	1.4	• 0	.0	.0	.0		1.4	6.6	1.1	3.7	1.3	4.8	1.1	.0	. 7	4.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0
CALM	. 2	••	• 0		••			. 2	.0	.5	.0	. 4	.0	.0	.0	.0	. 0
TOT UBS	9	227	523	199	12	1	971		16.2	209	27	240	42	208	15	185	45
TOT PCT	. 9	23.4	53.9		1.2	- 1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TA	A	L	E	3	Д

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT FREQ	MEAN SPD	00	06 09	12 15	16 21
N _N	.0	. 2	.0	.0	.0		.2	8.6	.3	.2	.3	.0
NE							1.0		, , ,			1.0
												25.1
5 C			11.0									
5	2.6	25.5	26.6	3.7	. 2						60.3	58.2
SW		9.6		. 1	.0		14.5	13.1	11.8		21.2	11.7
					.0		2.0	9.8	1.9	2.7	. 9	2.5
					.0		1.4	6.6	1.4	1.8	1.0	1.4
					.0		.0	.0	.0	.0	.0	.0
			• • •						. 4	. 4	.0	.0
		439	405	59	3	971	-	16.2	235	282	223	231
TOT PCT	6.7	45.2	41.7	6.1	.3		100.0		100.0	100.0	100.0	100.0
	N NE E E S W NW VAR CALM	NE .3 E .3 SE I.0 S 2.6 SW 1.1 W .4 NW .8 VAR .8 CALM .2 TOT OBS .55	N 0 0 7 7 16 N 0 2 NE 3 2 E 3 4 SE 1.0 7.1 5 2.6 25.5 SW 1.1 9.6 NW .8 .6 VAR 0 .0 CALM 2 TOT UBS 65 439	NO DIR 0-6 7-16 17-27 NE .3 .2 .2 SE .3 .4 .2 SE 1.0 7.1 11.0 S 2.6 25.5 26.6 SW 1.1 9.6 3.8 W .4 1.6 .1 VAR .0 .0 .0 CALM .2 TOT UBS 65 439 405	N 0 01R 0-6 7-16 17-27 28-40 NE 3 2	NO 01R 0-6 7-16 17-27 28-40 41+ NO 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NO DIR 0-6 7-16 17-27 28-40 41+ TOTAL DRS NE .3 .20 .0 .0 E .3 .4 .2 .1 .0 SE .1.0 7.1 11.0 2.2 .1 S .2.6 25.5 26.6 3.7 .2 SW 1.1 9.6 3.8 10 W .4 1.6 .1 .0 .0 VAR .0 .0 .0 .0 .0 CALM TOTAL DRS YOR O TOTAL TO	NNO DIR 0-6 7-16 17-27 28-40 41+ TOTAL PCT UBS FREQ NE 3 2 0 0 0 2 2 1 2 5 5 5 2 6 25 5 26 6 3 7 2 58 5 5 8 5 8 1 1 9 6 3 8 1 1 0 14 5 5 8 6 5 8 6 0 0 0 0 0 14 4 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	NND DIR 0-6 7-16 17-27 28-40 41+ TOTAL PCT MEAN DRS FREQ SPD NE .3 .2 * .0 .0 .0 .5 6.3 E .3 .4 .2 .1 .0 .1.0 10.7 SE 1.0 7.1 11.0 2.2 .1 .21.5 18.3 S 2.6 25.5 26.6 3.7 .2 58.5 16.8 S 1.1 9.6 3.8 1.1 .0 .14.5 13.1 W .4 1.6 .1 .0 .0 .14.5 13.1 W .4 1.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	WND DIR 0-6 7-16 17-27 28-40 41+ TOTAL PCT MEAN 00 03 NE .3 .2 . 0 .0 .0 .5 6.3 .4 8 .5 6.3 .4 8 .3 .4 .2 .1 .0 1.0 10.7 1.6 6.5 6.5 .2 6 25.5 26.6 3.7 .2 58.5 16.8 59.5 5 W 1.1 9.6 3.8 1.0 .0 14.5 13.1 11.8 W 1.6 1.6 1.0 .0 2.2 .0 14.5 13.1 11.8 W 1.6 1.6 .0 .0 .0 14.5 13.1 11.8 W 1.6 1.6 .0 .0 .0 .0 14.5 13.1 11.8 W 1.7 WAR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	NND DIR 0-6 7-16 17-27 28-40 41+ TOTAL PCT MEAN 00 06 06 NO 07-16 17-27 28-40 41+ TOTAL PCT MEAN 00 06 09 NO 07-16 17-27 28-40 41+ TOTAL PCT MEAN 00 06 09 NO 07-16 17-27 28-40 10 10 10 10 10 10 10 10 10 10 10 10 10	NO 01R 0-6 7-16 17-27 28-40 41+ TOTAL PCT MEAN 00 06 12 08S FREQ SPD 03 09 15 N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

-	-	-	 n	-	

PERIND:	(PRIMARY)	1924-1972
	INVER ALLY	1055. 1072

TABLE 4

AREA 0019 SHARK BAY 25.55 111.36

DEDCENTAGE	ESECULENCY	DE	WIND	SPEED	BY	HOUR	(CMT)

				WIND	SPEFD ((KNOTS)			PCT	TOTAL
HUUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DBS
00603	. 4	1.3	25.5	51.1	20.4	1.3	.0	16.1	100.0	235
90300	.4	. 4	19.9	57.4	19.9	1.8	. 4	16.3	100.0	282
12815	.0	1.3	23.8	54.7	18.4	1.8	.0	15.9	100.0	223
18621	.0	.0	25.1	51.5	23.4	.0	.0	16.2	100.0	231
TOT	2	7	227	523	199	12	1	16.2		971
PCT	2	7	22 4	52 0	20 5	1.2	- 1		100.0	

TABLE !

....

P	CT FRE			CLOUD A		(EIGH:HS)							CEILIN					
WED DIR	0-2	3-4	5-7	8 & 0BSCD	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	e000+	NH <5/8 ANY HGT	TOTAL
N	.0	.0	.1	.0		6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
NE	. 4	.0	.0	.0		. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 4	
E	. 3	. 2	.0	. 3		4.6	.0	.0	.0	.0	.0	. 2	.0	.0	.0	.0	.6	
SE	9.1	5.4	4.9	.7		3.0	.0		. 2	.0	1.3	1.5	1.2	.4	.0	.0	15.6	
S	26.6	12.8	18.0	2.3		3.2	.0	. 1	.0	. 8	3.4	6.0	2.9	1.1	.2	.3	45.0	
, SW	6.5	4.1	4.5	. 0		3.3	.0	.0	.0	. 8	1.2	1.4	.5	.0	.0	.0	12.1	
6 W	1.3	. 7	.0	. 2		2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	
NW	. 2	.0	*	.0		1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 3	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 2	. 2	.0	.0		2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 3	
TOT OBS	265	139	164	26	594	3.1	0	1	1	9	35	54	27	9	1	2	455	594
TET PCT	44.6	23.4	27.6	4.4	100.0		- 0	. 2	. 2	1.5	5.9	9.1	4.5	1.5	. 2	. 3	76.6	100.0

TABLE 7

C	UMULATIVE	PCT FRE	OF	SIMULT	ANEDUS	DCC	URRENCE
	OF CEILI						

				VSBY (NM)			
CEILING	• DR	• DR	= DR	= OR	- DR	= OR	* DR	- DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR >6500	.5	.5	.5	.5	.5	.5	.5	,5
DR >5000	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
OR >3500	6.5	6.7	6.7	6.7	6.7	6.7	6.7	6.7
OR >2000	14.4	15.7	15.7	15.7	15.7	15.7	15.7	15.7
DR >1000	10.3	21.3	21.6	21.6	21.6	21.6	21.6	21.6
DR >400	19.4	22.6	23.1	23.1	23.1	23.1	23.1	23.1
OR >300	19.6	22.8	23.3	23.3	23,3	23.3	23.3	23.3
OR >150	19.6	22.9	23.5	23.5	23.5	23.5	23.5	23.5
DR > 0	19.6	22.9	23.5	23.5	23.5	23.5	23.5	23.5
TOTAL	117	137	140	140	140	140	140	140

TOTAL NUMBER OF OBS: 597 PCT FREQ NH <5/81 76.5

TABLE 7A

PERCENTAGE FRED OF LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 085CD 085 21.0 16.1 14.4 14.2 9.3 7.8 8.7 4.9 3.5 .0 632

n	c	0	=	M	B	F	D	

								DEC	EMBER						
PERIOD:	(PRIMARY) 1 (OVER-ALL) 1	924-1972 855-1972						TA	BLE 8				ARE	4 0019 SHARK 25.55 1	
			PE	RCENT	FREO PREC	DF WIN	D DIRE	CTION TH VAR	VS DCCL	RRENC	E DR N	IBILIT	URRENC	E OF	
	VSBY (NM)		14	NE	5	SE	5	Sw	W	NW	VAR	CALM	PCT	TOTAL	
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1<2	NO PCH	• 0	.0	.0	. 3	.0	.0	.0	.0	.0	.0	.3		
		TUT %	• 0	• 0	.0	. 3	.0	.0	.0	.0	.0	.0	. 3		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	2<5	NO PCP	.0	.0	.0	.0	. 4	. 4	.0	.0	.0	.0	.9		
		TOT %	• 0	.0.	.0	.0	.4	. 4	.0	.0	.0	.0	.9		
		PCP	.0	.0	.0	.0	.0	. 1	.0	. 1	.0	.0	. 3		
	5<10	NO PCP	• 1	• 1	.0	4.4	10.6	3.8	.6		.0	.0	19.7		
		TOT %	• 1	• 1	.0	4.4	10.6	3.9	.6	. 2	.0	.0	19.9		
		PCP	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3		
	10+	NU BCB	• 1	. 5	1.1	15.8	46.7	12.0	1.7	. 5	.0	. 3	78.6		
		TOT %	• 1	. 5	1.1	15.8	46.7	12.3	1.7	. 5	.0	. 3	78.9		
		TOT OBS								_				702	
		TOT PCT	• 2	.6	1.1	20.4	57.7	16.7	2.4	. 7	.0	. 3	100.0		

TABLE 9

VSBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS			-						1000			DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	. 0	.0		.0	
	TOT %	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	• 0	.0	. 2	.0	. 1	.0	.0	.0		. 4	
	11-21	.0	• 0	.0	.0	. 1	.0	.0	. 0	.0		. 1	
	22+	.0	.0	.0	.0	.5	.0	.0	.0	.0		.5	
	TOT %	.0	• 0	.0	.2	.6	. 1	.0	.0	.0	.0	1.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	• 0	.0	.0	. 1	.0	.0	.0	.0		.1	
	11-21	.0	• 0	.0	.0	.0	. 4	.0	.0	.0		.4	
	22+	.0	• 0	.0	.0	. 2	.0	.0	.0	.0		. 2	
	TOT %	.0	• 0	.0	.0	. 4	.4	.0	.0	.0	.0	.7	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	4-10	. 1	• 1	.0	. 4	1.0	1.5	. 3	. 2	.0		3.6	
	11-21	.0	.0	.0	2.3	7.3	1.7	.2	.0	.0		11.6	
	22+	.0	.0	.0	1.3	2.0	. 2	.0	.0	.0		3.5	
	TOT %	. 1	• 1	.0	3.9	10.4	3.4	.6	. 2	.0	.0	18.6	
	0-3	.0	• 1	.0	.0	.6		.0	.0	.0	. 2	1.0	
10+	4-10	. 1	. 2	. 7	3.1	8.8	4.8	1.0	. 4	.0		19.1	
	11-21	.0		. 2	7.1	29.3	6.8	.5	.0	.0		44.0	
	22+	.0	.0	.0	6.2	9.0	. 4	.0	.0	.0	-	15.6	
	TOT %	. 1	. 4	. 9	16.3	47.7	12.0	1.5	. 4	.0	. 2	79.6	
	OT DAS												810
	OT PCT	. 2	. 5	.9	20.5	59.0	15.9	2.1	. 6	.0		100.0	

DECEMBER

PERIOD: (PRIMARY) 1924-1972 (OVER-ALL) 1855-1972

-)

TABLE 10

AREA 0019 SHARK BAY 25.55 111.3E

PERCENT	FREQUENCY	OF CE	ILING	HEIGHT	S (FEET, NH	>4/81	AND
	200011	DENCE	ME NIL	1 /6/8	DV LICILIA		

					DC	CURREN	CEDF	NH <3/	BYH	DUR			
HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00803	.0	.6	.0	.6	9.3	13.6	5.6	1.9	.6	.0	32.1	67.9	162
06609	.0	.0	•0	.6	1.8	4.3	4.3	2.4	.0	.6	14.0	86.0	164
12615	.0	.0	•0	4.1	7.4	4.7	4.7	1.4	.0	.0	22.3	77.7	148
18821	.0	.0	.7	.7	4.3	12.0	2.8	. 7	.0	.7	22.7	77.3	141
TOT PCT	.0	.2	.2	9	35 5.7	54 8.8	27	10	.2	.3	140 22.8	475 77.2	615

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DRS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00300	.0	.0	1.5	1.0	12.6	85.0	206	60300	.0	.6	2.5	31.6	65.8	158
90330	.0	.0	.5	.5	20.5	78.6	210	06609	.0	.0	1.3	13.1	85.6	160
12615	.0	.0	1.5	1.0	16.6	80.9	199	12815	.0	.0	4.9	18.2	76.9	143
18821	.0	•0	.5	.5	25.3	73.7	198	18621	.0	.7	2.2	22.1	75.7	136
TOT	0	0		6	152	647	813	TOT	0	2	16	127	454	597

TABLE 13

	FERCE	ENT FR	EQUENC	Y OF R	ELATIVI	E HUMI	DITY B	Y TEMP		
									TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ
85/89	.0	.0	.0	.,	.0	.0	.0	.0	1	.2
80/84	.0	.0	.0	.0	. 8	1.2	.7	.2	17	2.9
75/79	.0	.0	. 2	1.0	1.4	6.4	3.4	2.2	86	14.5
70/74	.0	.0	. 2	1.2	11.8	14.7	18.1	6.6	311	52.5
65/69	.0	.0	.0	.5	6.3	11.3	9.5	1.7	173	29.2
60/64	.0	.0	.0	.0	.3	.0	.0	. 3	4	.7
TOTAL	0	0	2	17	122	199	187	65	592	100.0
PCT	.0	.0	.3	2.9	20.6	33.6	31.6	11.0		

TABLE 14

	PERCEN	TFR	EQUENC	Y DF W	IND DI	RECTION	BY T	EMP	
N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	. 2	.0	.0	.0	.0	.0	.0	.0
.0	.0	. 3	. 5	1.1	. 7	. 2	.0	.0	.0
.0	.5	. 5	1.9	6.8	3.8	. 8		.0	. 2
.1	. 2	. 3	10.1	32.9	7.5	1.1	. 2	.0	.0
.0	.0	.0	8.3	16.0	4.3	. 5	.0	.0	.0
.0	• 0	.0	. 5	. 2	.0	.0	.0	.0	.0
. 1	.7	1.3	21.4	57.1	16.4	2.6	.3	.0	. 2

TARLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR
HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL
(GMT)
00603 84 83 79 72 66 65 64 71.8 230
00603 86 82 80 73 68 66 64 73.7 268
12615 87 81 77 71 67 65 65 71.5 219
16721 84 77 75 70 66 64 63 69.9 26
10T 87 82 78 72 67 65 63 71.8 943

	PENC	EN PRE	AOENC I	DE KELA	ITAE H	ONTOTAL	81 700	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	3.2	23.9	29.7	30.3	12.9	77	155
90300	.0	7.6	31.0	33.1	22.8	5.5	74	145
12615	.0	.7	14.6	35.1	35.8	13.9	79	151
18221	.0	1.4	13.9	36.1	37.5	11.1	78	144
TOT	0	19	124	199	188	65	77	595

PERITO: (PKIMARY) 1924-1972 (DVEK-ALL) 1855-1972

TABLE 17

AREA 0019 SHARK BAY 25.55 111.3E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

		-								
IR-SEA	61	65	69	73	77	81	85	TOT	W	WD
MP DIF	64	68	72	76	80	84	88		FDG	FOG
11/13	.0	.0	.0	.0	.2	.2	.2	4	.0	.7
9/10	.0	.0	.0	.0	.2	.2	. 2	3	.0	.5
7/8	.0	.0	.2	.0	.7	. 5	.0	8 7	.0	1.4
	.0	.0	.0	. 5	.5	. 2	.0		.0	1.3
5	.0	. ?	.7	1.4	1.6	.7	.0	26	.0	4.7
4	.0	.0	.5	2.0	1.1	.7	.0	21	.0	1.4 1.3 4.7 3.8
3	.0	.0	.0 .2 .0 .7 .5 .7 2.3	3.1	2.3	.0	.0	34	.0	6.1
2	.0	.0	2.3	3.4	. 9	.0	.0	37	0	6.7
1	.0	. 4	4.0	4.7	. 5	.0	.0	53	.0	9.5
3 2 1 0 -1 -2 -3	.0	1.6	6.3	4.9	.9	.0	.0	75	. 2	13.3
~1	.0	1.1	8.3	5.8	.0	.0	.0	84	.0	15.1
-2	.0	3.4	9.9	2.7	.0	.0	.0	89	.0	16.0
-3	.0	2.7	4.5	. 4	.0	.0	.0	42	.0	7.6
-4	.0	4.0	3.8	.4	.0	.0	.0	46	.0	8.3
~5	.0	1.1	1.1	.2	.0	.0	.0	14	.0	2.5
~6	.0	. 7	. 7	. 2	. 0	.0	.0	9	.0	1.6
-7/-8	. 2	.0	. 2	. 2	47	.0	.0	3	.0	.5
TOTAL	.2		.7		47		·0		1	554
		84		165		12		555		
PCT	.5	15.1	43.2	29.7	8.9	2.2	. 4	100.0	. 2	99.8

PERIOD: (UVER-ALL) 1963-1972

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 4-10 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 1-3 34-47 48.000.000.000.000.000.000 1-3 4-10 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87-70 71-86 1-3 22-33 34-47 48+ 4-10 34-47

									ECE	MBER							
PERIOD:	(DVE	R-ALL)	1963-	1972										AREA		SHARK B	
								TABLE	18	(CONT)					25.	55 111	.3E
				Pr	T FRED DE	HTNO	SPECO	(VTC)	AND	DIREC	TION	VERSIE		HTC / ET	,		
					I TREE OF	M A THE	aree.	16131	AITU	DIREC			SEN HETO		,		
HGT				5 22-33	34-47					1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	1-3	4-10	11-21	.0	.0	48+	PCT 1.0			.0	1.0	.0	.0	.0	.0	1.6	
1-2	.0	5.1	3.0	.0	.0	.0	8.1			.0	3.9	2.2	.0	.0	.0	6.1	
3-4	.0	2.9	13.9	.0	.0	.0	16.6			.0	3.4	4.8	.3	.0	.0	8.5	
5-6	.0	1.0	10.8	3.2	.0	.0	15.0			.0	. 0	3.3	.4	.0	.0	3.7	
7	.0	.0	6.7	1.1	.0	.0	7.8			.0	.0		.0	.0	.0	.2	
8-9	.0	.0	1.9	2.8	.0	.0	4.7			.0	.0	.7	.0	.0	.0	.7	
10-11	.0	.0	.0	1.1	.7	.0	1.7			.0	.0	.0	.1	.0	.0	.1	
12	.0	.0	.0	.3	.2	.0	.6			.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	. 8	.3	• 0	1.1			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	• 0	.0			• 0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	. 0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	• 0	.0			. ()	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	. 0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	.0	.0			• 0	8.9	0	.0	.0	.0	.0	
TOT PCT	.0	9.9	36.4	9.3	1 • 2	•0	56.8			.0	0.7	11.2	.8	.0	.0	21.0	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	. 3	.0	.0	.0	.0	. 3			.0	. 3	.0	.0	.0	.0	. 3	
1-2	.0	1.6	.6	.0	.0	.0	2.2			.0	. 1	.0	.0	.0	.0	. 1	
3-4	.0	.0	. 2	.0	.0	.0	.2			.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	. 3	.0	.0	.0	. 3			.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	• 0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	•0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TUT PCT	.0	2.0	1.1	.0	.0	.0	3.1			.0	. 4			.0	.0	. 4	99.3
			-														

	WIND	SPEFD	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.0	4.9	.0	.0	.0	.0	5.9	003
1-2	.0	12.5	5.9	.0	.0	.0	18.4	
3-4	.0	6.2	22.6		.0	.0	29.2	
5-6	.0	1.0	18.7	4.9		.0	24.6	
7					.0	.0		
	.0	.0	7.5	2.0			9.5	
8-9	.0	.0	2.6	3.9	.0	.0	6.6	
10-11	.0	.0	.0	2.3	. 7	.0	3.0	
12	.0	.0	.0	1.0	.3	.0	1.3	
13-16	.0	.0	.0	1.3	.3	.0	1.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0		.0	.0	.0	.0	
014	.0	.0	.0	.0			.0	305
TOT PCT	1.0	24.6	57.4	15.7	1.3	.0	100.0	303

PERIO	D: (DV	ER-ALL)	194	9-1972	,				TABLE	19											
					PERCEN	FRE	DUENCY	OF WA	VE HEI	GHT (F	T) VS	WAVE P	ERIOD	SECON	05)						
PERIOD (SEC)	< 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	.6	2.7	3.1	5.5	2.7	. 2	.6	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	75	5
6-7	.0	. 2	2.5	13.3	9.4	3.9	2.3	. 8	. 2	. 2	. 4	.0	.0	.0	.0	.0	.0	.0	.0	162	7
8-9	.0	.2	. 4	4.5	11.3	6.2	3.3	2.5	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	147	6
10-11	.0	.0	. 4	. 2	4.1	2.7	1.8	.6	2.1	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	60	9
12-13	.0	.0	.0	. 2	. 2	.4	.0	.6	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	7	9
>13	.0	.0	.0	.0	.0	.0	. 2	. 8	.0	.0	. 2	. 2	.0	.0	.0	.0	.0	.0	.0	7	14
INDET	.6	.0	1.6	1.0	1.4	.0	1.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	28	5
TOTAL	6	15	39	121	142	65	45	27	20	3	3	1	0	0	0	0	0	0	0	487	7
PCT	1.2	3.1	8.0	24.8	29.2	13.3	9.2	5.5	4.1	.6	.6	.2	•0	.0	• 0	- 0	-0	.0	• 0	100.0	

PERIOD: (PRIMARY) 1884-1972 (DVER-ALL) 1855-1972

TABLE 1

AREA 0019 SHARK BAY 25.55 111.56

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

							and the same of								
			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
NND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N	5.4	4.3	1.1	.0	.0	.0	.0	10.8	2.2	1.3	.0	.0	.2	.0	85.5
NE	2.4	6.1	1.2	.0	.0	.0	.0	9.7	1.2	. 5	. 5		2.0	. 4	85.9
			2.3		.0	.0	.0	6.7	. 2	. 5	. 4	. 1	1.3	.0	90.8
E	3.8	.6		.0				1.6	.5	. 5		.0	1.3	.2	95.9
St	. 7	.4	.5	.0	.0	.0	.0	2.2	1.3	.5	.2	.0	2.4	.1	93.4
S	. 9	. 9	.5	.0	.0	.0	.0		1.4			.0	2.9	.1	90.7
Sw	1.3	2.6	.6	.0	.0	.0	.0	4.4		.6	• 1				88.7
W	2.0	3.8	1.6	.0	.0	.0	.0	7.4	1.0	2.0	.0	.0	1.1	.0	89.8
NW	1.3	3.9	.1	.0	.0	.0	.0	5.3	3.2	.1	1.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0
CALM	. 8	.0	.0	.0	.0	.0	.0		.7	2.4	.0	.0	4.6	.0	91.6
TOT PCT	8263	1.3	.5	•0	.0	.0	.0	3.0	1.1	.6	. 2	•	2.1	.1	92.9

TABLE 2

DERCENT	FREQUENCY	DF	WEATHER	DCCURRENCE	BY	HOUR

			f	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FDG WD PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	1.7 .7 1.1 1.4	1.2 1.2 1.2 1.6	.7 .5 .2	.0	.0	.0	.0	3.5 2.4 2.5 3.7	1.2 .9 1.0 1.2	.1 .8 1.4	.2	.0	2.3 2.7 2.4 1.1	.2	92.7 93.6 93.0 92.3
TOT PCT	1.2	1.3	.5	.0	•0	.0	• 0	3.0	1.1	.6	. 2	•	2.1	.1	92.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WNO DIR	0-3	4-10	11-21	D (KND 22-33	TS) 34-47	48+	TOTAL	PCT FREQ	MEAN SPD	00	03	06	09	(GMT)	15	1.8	21
NE E SE S W W W VAL M CAL TOT TOT PCT	.2 .2 .3 .5 .7 .3 .3 .2 .8	.9 1.3 2.8 6.6 9.9 6.2 2.5 1.6	.7 .8 2.9 13.7 21.8 6.3 2.1 1.4	.1 .5 4.6 6.5 1.2 .6 .3 .0	.0 .0 .2 .3 .1 .1 .10	.0	17019	1.9 2.5 6.7 25.6 39.2 14.1 5.6 3.6	9.4 9.1 12.1 15.3 14.4 11.5 10.3 .6 .0 13.9	1.7 3.2 8.8 28.6 36.4 12.0 4.9 3.6 .0 .8 3466	2.6 5.2 9.9 22.7 36.7 13.1 5.6 3.8 .0 .5 676	3.6	1.5 2.2 4.7 21.5 41.5 17.5 6.0 4.1 .0 .8 1319	1.9 1.8 4.5 21.0 43.3 16.6 6.3 3.6 .1 .8 3598 100.0	1.0 1.8 4.0 18.6 49.6 16.4 4.6 3.9 .0 .2 452	1.5 1.7 6.2 27.3 39.8 13.8 5.3 3.3 .0 1.2 2748 100.0	1.7 2.2 7.5 29.4 36.0 13.1 5.8 4.5 .0 .0 .8 1419 100.0

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL DBS	PCT FREQ	MEAN SPD	00	06 09	12 15	18	
N	.5	1.0	. 3		.0		1.9	9.4	1.9	2.3	1.8	1.6	
NE	. 9	1.3	. 3	.1	.0		2.5	9.1	3,5	2.7	1.8	1.9	
E	1.4	3.5	1.6	. 2			6.7	12.1	9.0	6.7	4.4	6.5	
SE	2.5	11.9	10.0	1.2			25.6	15.3	27.7	25.7	20.8	28.0	
5	3.6	19.0	15.0	1.6			39.2	14.4	36.4	38.2	44.1	38.5	
		8.1	3.1	4			14.1	12.4	12.1	14.1	16.6	13.6	
SW	2.4		1.3				5.6	11.5	5.0	5.9	6.1	5.4	
NW	1.2	2.8					3.6	10.3	3.6	3.7	3.6	3.5	
	. 9	2.0	.7	. 1			•	.6	.0	.0	.1	.0	
VAR		• 0	.0	.0	.0					-	. 8	1.0	
CALM	. 8					. 7010	. 8		41.42		4050	4167	
TOT DAS						17019		13.9	4142				
TOT PCT	14.2	49.7	32.3	3.8	. 1		100.0		100.0	100.0	100.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1884-1972 (DVER-ALL) 1855-1972

AREA 0019 SHARK BAY 25.55 111.5E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED 0		48+	MEAN	PCT FREQ	DBS
00803	.7	3.5	33.2	48.5	13.3	.7	.0	13.7	100.0	4142
90300	.7	2.7	30.9	51.4	13.5	.7			100.0	4660
12615	. 8	3.4	32.9	48.4	13.9	.7	.0	13.8	100.0	4050
18821	1.0	2.2	30.4	50.5	15.0	.8			100.0	4167
TUT								13.9		17019
PCT	. 8	2.9	31.8	49.8	13.9	.7	*		100.0	-

P	CT FRE			CLOUD A	MOUNT (EI	GHTHS)		1					CEILIN					
						MEAN	-		200	400			2500					TOTA:
AND DIE	0-2	3-4	5-7	DBSCh		LOUD DVER	149	150 299	300 599	999	1999	3499	3500 4999	5000	7999	8000+	NH C5/8	DBS
N	. 7	. 3	. 6	. 3		4.0	.0	.0		. 1	. 2	. 1	. 1	*	.0		1.4	
NE	1.1	. 4	.6	. 3		2.8	.0	.0	.0	*	. 2	. 2	.1	*	*		1.9	
E	3.8	1.0	1.3	. 5		3.1	.0	.0		. 2	. 4	. 4	. 2			.1	5.3	
SE	11.6	4.8	6.9			3.3	.0	*	. 1	. 5	2.2	1.9	1.3	. 4	. 1	. 1	18.6	
S	18.1	9.3	10.7	3.0		3.4			. 1	1.1	3.9	3.3	1.5	. 5	.1	. 2	30.4	
SW	4.5	3.6	3.9			3.7		.0	. 1	.5	1.5	1.0	.7	. 1			9.4	
W	1.4	1.5	1.7	. 7		3.9		.0	*	. 2	.6	. 5	. 2				3.5	
NW	. 9	.6	1.0			3.6	.0	.0		. 1	.4	.3	.1	.0	.0		1.9	
VAR	. 1	.0	.0	.0		. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 1	
CALM	. 8	.1	. 2	. 1		2.5	.0	.0	.0		.1	. 1	.0	.0		.0	. 9	
TOT DBS		• •	• •	• • •	6614	3.4	• 0	•0	• •		••	••					•	661
TUT PCT	43.1	21.6	26.9	3.4	100.0		- 1	*	. 4	2.7	9.5	7.9	4.1	1.1	. 3	. 6	73.5	100.1

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CEILING	· UR	- UR	= OR	= DR	= OR	■ DR	· DR	= JR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>5UYD	>0
DR >5500	.7	. 8	. 8	. 8	.8	. 8	. 8	.8
DR >5000	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
DR >3500	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DR >2000	12.6	13.8	13.8	13.9	13.9	13.9	13.9	13.9
OR >1000	20.0	22.8	23.3	23.3	23.3	23.3	23.3	23.3
DR >600	21.8	25.3	25.8	25.9	25.9	25.9	25.9	25.9
OR >300	22.0	25.5	26.2	26.3	26.3	26.3	26.3	26.3
DR >150	22.0	25.5	26.2	26.3	26.3	26.3	26.3	26.3
DR > 0	22.0	25.6	26.2	26.4	26.4	26.4	26.4	26.4

TOTAL NUMBER OF OBS: 6671 PCT FREQ NH 45/81 73.6

TABLE 7A

PERCENTAGE FREG OF LOW CLOUDS (FIGHTHS)

O 1 2 3 4 5 6 7 8 085CD DBS 21.2 16.5 13.6 12.5 9.0 6.5 7.2 6.6 6.9 * 7217

		14	

PERIOD:	(PRIMARY) 1 (DVER-ALL) 1	884-1972 855-1972						TA	BLE 8				ARE	25.5S 111.5
			PI	ERCENT				CITON TH VAR						CE DF
	VSBY (NM)		N	NE	E	SE	s	SW	w	NW	VAR	CALM	PCT	TOTAL
		PCP	.0	.0		.0			.0	.0	.0	.0		
	<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		TOT \$.0	.0		.0			.0	.0	.0	.0		
		PCP			.0	.0	.0	.0	.0	.0	.0	.0	*	
	1/2<1	NO PCP	.0	.0	.0	.0		.0	.0	.0	.0	.0		
		TOT %	*		.0	.0		.0	.0	.0	.0	.0		
		PCP	.0	.0	.0					.0	.0	.0	.1	
	1<2	NO PCP	• 0	.0	.0	. 1	. 1		.0	.0	.0	.0	. 2	
		TOT %	.0	.0	.0	. 1	. 1	. 1		.0	.0	.0	.1	
		PCP				.1	. 1		. 1		.0	.0	.4	
	2<5	NO PCP				.3	. 5	. 2	.1	*	.0		1.2	
		TOT %			.1	. 3	. 7	. 2	• 1		.0		1.6	
		PCP	. 1	. 1	. 1	.2	. ?	. 3	.2	. 1	.0		1.3	
	5<10	NO PCP	• 3	. 3	.7	3.7	5.5	1.9	. 7	. 4	.0	.1	13.6	
		TOT %	. 4	. 4	.8	3.3	5.7	2.3	. 9	. 5	.0	. 1	14.9	
		PCP	• 1	• 1	. 1	. 2	.2	. 2	.3	. 1	.0	.0	1.2	
	10+	NO PCP	1.5	2.2	5.7	20.4	33.8	10.6	4.4	2.4	. 1	. 9	82.0	
		TOT %	1.6	2.3	5.8	20.6	34.0	10.8	4.6	2.5	. 1	. 9	83.2	

TOT 085 TOT PCT 2.0 2.7 6.7 24.8 40.6 13.4 5.6 3.0 .1 1.0 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

						MIC. 11.				• • •			
VSBY (NM)	SPD	N	NE	Ε	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0			.0	.0	*	
<1./2	4-10	.0	.0	.0	*		.0	.0	.0	.0	-		
	11-21	.0	.0	.0	.0		*	.0	.0	.0			
	22+	.0	• 0	*	*		.0	.0	.0	.0			
	TOT %	.0	.0		*					.0	.0	.1	
	0-3	.0	.0	.0	.0			.0	.0	.0			
1/2<1	4-10	*	.0	*	*	*	*		.0	.0		. 1	
	11-21	*	*	.0		. 1	*	.0		.0		. 1	
	22+	.0	.0	.0	*	. 1	*		.0	.0		. 1	
	TOT %	*	*		*	. 2	. 1	*	•	.0		.4	
	0-3		.0	.0			.0	.0	.0	.0		.1	
1<2	4-10		*		. 1	. 3	. 2			.0		.6	
	11-21		*		. 3	. 8	. 2			.0		1.3	
	22+		*		.1	.5	. 1		.0	.0		. 7	
	TOT %	*			. 4	1.6	.5	•		.0	*	2.7	
	0-3		.0	.0	.0			.0		.0			
2<5	4-10	*	*		. 1	. 2	. 1			.0		.5	
	11-21			*	.1	. 2	. 1			.0		.5	
	22+	.0				. 1	*		.0	.0		.2	
	TOT *		•		.5	.5	. 2	. 1	•	.0		1.2	
	0-3			.1	. 2	.2	. 1	. 1	.1	.0	.2	.9	
5<10	4-10	.3	.5	1.1	1.9	2.9	2.0	.8	. 6	.0		10.0	
	11-21	. 3	. 4	. 9	4.2	6.5	2.2	. 7	. 5	.0		15.5	
	22+	. 1		. 1	1.5	2.3	.6	. 3	. 1	.0		5.0	
	TOT %	. 7	.9	2.2	7.8	11.8	4.8	1.9	1.2	.0	. 5	31.5	
	0-3	.1	. 2	. 2	. 3	.0	.3	. 2	.2		.6	2.8	
10+	4-10	. 7	1.0	1.9	4.6	6.8	4.0	1.6	. 9			21.5	
	11-21	. 3	.5	1.7	8.8	15.4	3.8	1.3	. 7	.0		32.5	
	22+		• 1	. 3	2.5	3.8	.5	. 2	. 1	.0		7.4	
	TOT %	1.2	1.7	4.1	16.2	26.6	8.5	3.4	1.9		. 6	64.2	
1	OT DAS												13203
1	OT PCT	1.9	2.7	6.3	24.7	40.8	14.1	5.5	3.2	*	. 8	100.0	

ANINITAL

										Aitito											
ERIOD:	(PRIMA		855-19							TABLE	10				REA		SHARK 5.55	8AY 111.5E			
						PE	RCENT	FREQUEN	CURREN	CEILIN	G HE I G	HTS (FEET, NH	>4/8)	AND						
			TUR	000	150				2000			6500		TOTAL		<5/8	TOTA				
			603	.1	.1	.5		11.8	9.0	4.8	1.2	.4	.6	31.4		68.6	183				
			609	.1	.0			7.8	7.0	3.7	1.2	.2	.4	22.0		77.2	162				
			2615	.0	.1			7.4	5.3	2.9	.8	.1	.6	19.		80.7	170				
			3621	. 2	.0			8.8	B.5	4.1	1.1	.3	.5	27.0		73.0	165				
			тот														702				
		,	PCT	•1	•	.3	2.5	9.0	7.5	3.9	1.1	.3	.5	25.1	2	74.8	100.	0			
					т	ABLE 1	1								ABLE	12					
			PERCEN	T FRE	QUENC	Y VSBY	(NM)	BY HOUR			CU	MULAT	CEILIN	FREQ (FEET	NGES I	OF V58	Y (NM)	AND/DA	ŧ	
	HOUR (GMT)	<1/2	1/2<1	1	< 2	2<5	5<10	10+	TOTAL			DUR GMT 1	<150 <50YD	<600 ·	<1000 < 5	1000		<5/8	TOTAL		
	00603	. 1	. 7	3	. 3	1.2	28.6	66.7	3587		0	0603	1,	. 7	4.5	28.	. 5	67.0	1761		
	06609	•	• 3	5	. 9	.7	28.6	67.6	3159		0	6609	• 1	. 3	3.1	21.	. 1	75.9	1749		
	12815	.1	.4	3	• 0	1.8	34.2	60.5	3506			2615	.0	.4	3.2	17	. 4	79.3	1616		
	18821	.0	.3	1	.7	.9	36.4	60.6	3169			8621	.1	.4	4.8	24	. 1	71.0	1545		
	PCT	. 1	. 4	2	. 7	1.2	31.8	63.8	13421			PCT	.1	. 5	3.9	22	. 8	73.3	100.0		
					LE 13											TABLE	E 14				
	PERCENT								TOTAL	PCT									N BY TE		
3 0	0-29 30	-39 41	-49 50						DBS	FREQ		N	NE	E	SE	\$	SW	w	NH	VAR	CAL
104	.0	.0	.6	.1	.2	.1	*	•0		3.0		.1	•	• 0	. 1	. 1	.1	.0	•0	.0	
89		.1	. 1	. 1	1.9	5.5	5.3	2.6		16.4		. 4			.6	7.5	2.3	.1	.5	.0	
89 84 79	.0		. 5	2.0	7.4	10.1	7.6	2.5		35.2		.8				16.8	5.3	2.6	1.0	:	
89 84 79 74	.0	. 1	.6	3.7						9.9		. 1			. 9	2.9	2.0	.6	.1		
89 84 79 74 69	.0	.0	.6	3.7	3.6	2.8	1.7	. 5													
89 84 79 74 69 64 59	.0		.6	3.7	3.6		1.7	.1		.6		.0	.0	•1	.2	. 1	.1	.0	.0	.0	
/94 /89 /84 /79 /74 /69 /64 /59 /54	.0	.0	.6	.0	3.6	2.8	.2	. 1	10317	.6			.0	•1		• 1	. 1		*		

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HQUR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL (GMT)
00003 * 9.6 22.1 30.9 27.0 10.4 75 2826 06609 .0 14.6 29.4 32.0 18.5 5.5 71 2432 12615 .0 7.5 20.3 30.8 28.9 12.5 76 2743 18621 .0 6.3 20.0 29.2 30.8 13.7 76 2498 TOT 1 1015 2417 3224 2735 1107 75 10499

TARLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL DBS
94 81 77 70 64 62 54 70.4 4093
91 82 79 72 66 64 57 71.9 4497
94 80 77 70 66 63 53 70.5 4007
92 76 74 69 64 62 54 68.8 4088
94 81 77 70 65 63 53 70.4 16665

PERIOD: (PRIMARY) 1884-1972 (DVER-ALL) 1855-1972

TABLE 17

AREA 0019 SHARK BAY 25.55 111.5E

PCT	FREQ	DF	AIR	TEMPERATURE (DEG	F)	AND	THE	DCCURRENCE	OF	FDG	CWITHOUT	PRECIPITATION)
-				VS AIR-SEA								

					3 MI	- JEM	1 6 111 6		-					
AIR-SEA	53	57	61	65	69	73	77	81	85	89	>92	TOT	w	WD
TMP DIF	56	60	64	68	72	76	80	84	88	92			FOG	FOG
14/16	.0	.0	.0	.0	.0	.0		.0			.0	5	.0	.1
11/13	.0	.0	.0	.0				. 1	. 1			20	.0	. 3
9/10	.0	.0	.0					. 1	. 2	.0	.0	28	.0	. 4
7/8	.0	.0	.0	.1	.1	.2	.2	.3	. 2		.0	75		1.1
6	.0	.0	.0		. 1	. 2	. 3	. 2	. 1	.0	.0	60	.0	.9
5	.0	.0	.0	.1	. 2	. 5	. 8	.4	. 1	.0	.0	136	.0	2.1
4	.0	.0		.1	. 4	. 8	.8	. 4	. 1	.0	.0	159	.0	2.4
3	.0	.0		.1	. 5	1.4	1.1	. 3		.0	.0	230	.0	3.5
2	.0	.0	.1	.4	1.5	1.9	1.3	.3	. 1	.0	.0	363		5.5
1	.0	.0	. 1	1.0	2.4	3.0	1.6	.2		.0	.0	542		8.3
0	.0	.0	.3	1.7	4.4	3.9	1.7	.3	.0	.0	.0	805	. 1	12.3
-1	.0		.3	2.8	4.5	4.1	1.1	. 2	.0	.0	.0	840		12.9
-2	.0		. 5	4.0	4.9	2.9	.6	.1	.0	.0	.0	837		13.0
-3	.0	.1	.7	4.1	3.0	1.9	.4	*	.0	.0	.0	642	.0	10.0
-4	.0	. 1	1.0		2.8	1.2	. 1	*	.0	.0	.0	588	.0	9.2
-5	.0		1.1	2.9	1.9	.8	. 1	*	.0	.0	.0	440		7.0
-6	.0		. 8	1.9	. 3	.4	.0	.0	.0	.0	.0	258		4.1
-7/-8	.0	.1	1.3	1.9	. 8	. 3	. 1	.0	.0	.0	.0	286	.0	4.6
-9/-10	.0	. 1	. 5	.6	. 1		.0	.0	.0	.0	.0	86		1.3
-11/-13		. 1	. 3	. 2	*	.0	.0	.0	.0	.0	.0	43	.0	. 7
-14/-16	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0		.0	.1
-17/-19	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	6	.0	
TOTAL			••				•					6450		
PCT		.7	7.2	25.9	28.5	23.6	10.3	2.9	. 8	. 1		100.0	.2	99.8

PERIOD: (GVER-ALL) 1963-1972

				PC	T FREQ I	DF WIND	SPEED	(KTS) AND	DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	. 1	.1	.0	.0	.0	.0	. 2		• 1	. 3	.0	.0	.0	.0	. 4
1-2		.4	. 1	.0	• 0	.0	.5		*	. 7	. 2	.0	. 0	.0	.9
3-4	*	. 3	.4	.0	.0	.0	. 7		.0	. 2	. 5	.0	.0	.0	.6
5-5	.0		.3		.0	.0	. 4		.0	. 1	. 2		.0	.0	.3
7	.0	.0	. 1	.0	• 0	.0	. 1		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0		.0	.0	*		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	. 0		.0	.0	.0	. 1	.0	.0	. 1
17-19	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	0.		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	. 8	.8	. 1	• 0	• 0	1.8		• 1	1.3	.8	• 1	.0	.0	2.3
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4		. 2	.6		.0	.0	.0	.8
1-2	. 1	1.4	. 2	.0	.0	.0	1.7			3.1	1.0	.0	.0	.0	4.0
3-4	.0	.7	1.5		.0	.0	2.3		*	1.5	4.7	. 2	.0	.0	6.4
3-6	.0	.1	1.1	.1	. 1	.0	1.4		.0	.3	4.4	.7		.0	5.5
7	.0	.1	. 4	. 2	.0	.0	.6		.0	.0	1.4	1.2	.0	.0	2.6
8-9	.0	.0	.0	.1	.0	.0	. 1		.0		. 7	. 8		.0	1.6
10-11	.0	.0	.0	. 1	. 1	.0	. 1		.0	.0	. 1	.6		.0	. 7
12	.0	.0	.0	.0		.0			.0	.0		. 2		.0	.2
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		. 2		.0	. 2
17-19	• 0	.0	.0	.0	.0	.0	. 6		.0	.0	.0		.0	.0	
20-22	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	. 1	.0	.0	. 1
23-25	. U	.0	.0	.0	.0	.0	.0		.0	. 0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	• ()	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	• 0	.0	.0		. 0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	• 0	.0		. 0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	•0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	. 1	2.6	3.3	.5	. 1	• 0	6.6		. 3	5.5	12.4	4.0	.1	.0	22.2

									ANN	UAL							
PERIOD:	COVER	R-ALL)	1963-1	972										AREA		SHARK B	
								TABLE	18	(CUNT)					25.	55 111	.5F
				PC	T FREQ C	F WIND	SPEED	(KTS)	AND	DIREC	IUN	AFK202	SEA HEIG	HTS (FT)		
				5									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.1	.9	*	.0	.0	.0	1.1			. 2	. 8		.0	.0	.0	.9	
1-2	.1	4.7	2.0	.0	.0	.0	6.8			*	3.4	1.1	.0	.0	.0	4.5	
3-4	. 1	3.3	10.7	. 3	.0	.0	14.4			*	1.9	2.6	.1	.0	.0	4.7	
5-6	.0	.7	8.6	2.1	*	.0	11.4			.0	. 2	1.7	. 2		.0	2.1	
7	.0		3.2	1.9		.0	5.2			.0		.7	. 2		.0	1.0	
8-9	.0		1.3	1.5		.0	2.8			.0		.2	. 1	.0	.0	. 4	
10-11	.0	.0	.3	.6	. 1	.0	1.0			.0	.0	.1		.0	.0	. 1	
12	.0	.0		. 2	. 1	.0	.2			.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0		. 1		.0	.2			.0	.0		.1		.0	. 1	
17-19	.0	.0	.0	.0		.0				.0	.0		.0		.0		
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	. 1	
23-25	.0	.0	.0		.0	.0				.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
01-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.3	9.7	26.1	6.8	. 3	.0	43.2			.2	6.3	6.5	. 8	.1	.0	13.9	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	. 1	. 2	.0	.0	.0	.0	.3				. 1	.0	.0	.0	.0	.1	
1-2	.0	1.2	.3	.0	.0	.0	1.0			• 1	. 6	.2	.0	.0	.0	.9	
3-4	*	. 9	.9	.0	.0	.0	1.8			*	.6	.6		.0	.0	1.3	
5-6	.0	. 1	. 9		.0	.0	1.0			.0	*		.1	.0	.0	.5	
7	.0		. 1	. 1	• 0	• 0	.3			.0	.0		. 1	.0	.0	. 2	
8-9	.0	.0	. 1		.0	• 0	. 1			.0	.0		.1	.0	.0	. 1	
10-11	.0	.0	.0	.1	.0	.0	. 1			.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	• C	. C			.0	.0			.0	.0		
13-16	.0	.0	. 1		•	• 0	. 2			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	.0	• C			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			• 0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	• 0	• 0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	• 0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	•0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	• 0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86 87+	.0	.0	.0	.0	•0	• 0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.0	.0	2.3	.3	.0	.0	.0			.0			.0	.0	.0	.0	D0 F
IUI PCT	. 2	2.4	2.3	. 3		• 0	5.2			• 1	1.4	1.4	. 3	.0	.0	3.2	98.5

	KIND	SPEFD	(KT5)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.6	3.3	.1	.0	.0	.0	6.0	003
1-2	.5	15.5	5.0	.0	.0	.0	21.0	
3-4	. 2	9.3	21.8	.7	.0	.0	32.0	
5-6	*	1.5	17.5	3.4	. 2	.0	22.6	
7	.0	. 2	6.0	3.7		.0	9.8	
8-9	.0	. 1	2.4	2.5		.0	5.0	
10-11	.0	.0	.4	1.4	.1	.0	2.0	
12	.0	.0	*	.3	. 1	.0	.5	
13-16	.0	.0	. 2	.5		.0	. 8	
17-19	.0	.0	.0			.0	.1	
20-22	.0	.0		. 1	.0	.0	. 1	
23-25	. C	.0	.0		.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
51-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								3595
TOT PCT	3.4	29.9	53.4	12.7	.6	.0	100.0	

PERIOD	: (DV	ER-ALL	194	9-1969					TABLE	19											
					PFRCEN	T FRE	OUFNCY	OF WAY	E HEI	CHT (F	T) VS	WAVE P	ERIDO	SECON	(2)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	. 8	4.6	7.4	4.1	2.1	. 8	. 4	. 1	. 1		.0	.0	.0	.0	.0	.0	.0	.0	.0	1088	4
6-7	.0	. 8	5.7	8.8	6.9	3.2	1.5	. 8	.4	. 1		.0	.0	.0	.0	.0	.0	.0	.0	1543	5
8-9	.0	. 2	1.5	5.2	6.8	5.4	2.7	1.6	1.2	. 1	. 2	.0	.0	.0	.0	.0	.0	.0	.0	1345	8
10-11	.0	. 1	.5	1.5	3.4	3.1	1.9	1.0	1.0	. 2		. 1		.0	.0	.0	.0	.0	.0	678	8
12-13	.0	.0	. 5	.6	. 8	1.0	. 8	.6	.7	. 1	.1			.0	.0	.0	.0	.0	.0	281	9
>13	.0	.0	.0	. 3	. 3	. 3	. 3	. 3	. 2		. 1		.0	.0	.0	.0	.0	.0	.0	101	9
INDET	. 7	. 5	1.2	1.4	1.2	.6		. 2	. 2			.0	.0	.0	.0	.0	.0	.0	.0	353	5
TOTAL															-					5384	6
PCT	1.5	6.3	16.7	21.9	21.4	14.4	8 • 1	4.6	3.9	.6	. 4	• 1	. 1	.0	.0	.0	.0	.0	.0	100.5	

PERCENT ERECUENCY	DE	DCCURRENCE	OF	SEA	TEMP	(DFG	F)	RY	MONTH

			LENCE		. we have	0. 0.	C SHILL						**	
SEA TMP DEC F	JAN	FEB	MAR	APR	МДҮ	JUN	JUL	AUG	SEP	DCT	NDV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.1	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	
85/86	. 1	. 1	. 1	. 2	0	.0	.0	.0	.0	.0	.0	.0	5	
83/84	. 2	1.4	1.1	. 5	. 1	. 3	.0	.0	.0	.0	.0	. 1	40	. 3
81/82	1.4	3.4	5.0	3.6	1.2	. 2	.0	.0	.0	.0	.0	. 2	163	1.3
79/80	4.1	8.3	10.7	9.4	5.5	1.3	• 1	.0	.0	.0	. 3	. 9	444	3.5
77/7A	13.1	16.4	17.6	18.3	14.9	4.9	1.0	. 2	• 1	.4	1.0	2.6	979	7.6
75/76	20.1	25.3	23.2	20.4	19.3	12.6	4.9	1.3	. 8	1.4	2.3	10.3	1590	12.4
73/74	27.8	27.4	23.9	21.8	24.0	20.0	13.5	6.0	3.7	6.9	10.2	28.7	2244	17.5
71/72	23.1	12.3	13.2	13.1	20.3	23.6	22.8	17.7	14.5	19.6	26.4	28.6	2472	19.2
69/70	8.9	3.6	3,5	5.0	10.6	19.3	29.0	27.5	30.4	29.1	29.9	20.7	2324	18.1
67/68	1.1	1.5	1.1	1.2	3.2	11.2	19.9	28.7	29.5	24.9	22.2	6.1	1645	12.8
65/66	. 2	• 1	. 2	. 6	. 5	4.1	5.9	12.0	14.2	13.8	5.7	1.5	653	5.1
63/64	.0	.0	. 4	.0	. 2	1.7	1.8	4.0	4.8	2.9	1.8	. 2	198	1.5
61/62	.0	.0	.0	.0	. 1	. 5	. 9	1.8	1.8	. 7	. 1	.0	67	.5
59/60	.0	.0	.0	.0	.0	. 2	. 2	. 8	. 3	. 4	.0	.0	19	. 2
57/58	.0	.0	.0	.0	.0	. 1	. 1	• 1	. 1	.0	.0	.0	4	
55/56	.0	.0	.0	. 0	.0	.0	.0	.0	• 0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	1036	1035	1089	1237	1009	1158	1137	1113	1199	1102	927	807	12849	100.0
MEAN	73.9	75.1	75.3	75.1	73.8	71.5	70.0	68.6	68.4	68.9	69.8	71.9	71.8	

TABLE 21

PKE	SOURE	(MD)

			AV	FRAGE	BY HOU	R (GMI)			
										TOTAL
MO	0000	0300	0600	0900	1500	1500	1800	2100	MEAN	DBS
JAN	1011	1009	1010	1009	1010	1008	1010	1009	1010	1078
FEB	1011	1010	1011	1009	1010	1010	1010	1010	1010	1044
MAR	1013	1013	1012	1011	1013	1013	1012	1012	1013	1033
APR	1016	1015	1015	1015	1016	1015	1015	1015	1015	1197
MAY	1017	1016	1017	1016	1017	1018	1017	1016	1017	1149
JUN	1017	1017	1016	1017	1017	1018	1017	1017	1017	1157
JUL	1020	1020	1018	1018	1019	1020	1019	1020	1019	985
AUG	1019	1019	1018	1017	1019	1018	1019	1017	1019	977
SEP	1018	1018	1018	1017	1018	1017	1018	1017	1018	1158
T DO	1017	1016	1017	1015	1016	1015	1016	1016	1016	958
NOV	1015	1014	1015	1013	1014	1013	1014	1013	1014	905
DEC	1013	1013	1013	1011	1012	1012	1012	1012	1012	722
ANN	1016	1015	1015	1014	1015	1015	1015	1015	1015	12363
DBS	2670	604	2300	749	2713	436	2122	769		

ď	p	F	R	c	E	N	т	t	L	F	s
		г		-	•			٠	-	Ç.	•

40	MIN	1%	5%	25%	50%	75%	95%	99%	MAX	
JAN	988	996	1004	1008	1010	1013	1016	1018	1025	
FEB	997	1001	1004	1007	1010	1013	1017	1019	1022	
MAR	999	1001	1006	1010	1013	1015	1018	1021	1028	
APR	1002	1007	1010	1013	1015	1017	1021	1023	1030	
MAY	1000	1004	1010	1014	1017	1019	1022	1024	1030	
JUN	999	1004	1010	1014	1017	1020	1024	1026	1031	
JUL	1002	1008	1011	1017	1020	1022	1025	1028	1031	
AUG	1003	1010	1012	1015	1019	1021	1024	1027	1031	
SEP	1001	1009	1012	1015	1019	1020	1024	1025	1032	
DCT	1006	1008	1011	1014	1015	1019	1022	1024	1028	
NOV	1003	1006	1009	1012	1014	1016	1019	1022	1023	
DEC	1001	1005	1007	1010	1013	1015	1018	1020	1025	

JANUARY

PERIOD: (PRIMARY) 1923-1969 (UVER-ALL) 1855-1969

TABLE 1

AREA 0020 BARROW ISLAND 19.55 114.9E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N	5.1	.0	.0	.0	.0	.0	.0	5.1	.0	10.3	.0	.0	5.1	.0	84.6
NE	.0	.0	.0	.0	,0	.0	.0	.0	13.4	.0	.0	.0	.0	.0	86.6
E	14.4	.0	3.4	.0	.0	.0	.0	15.7	3.4	.0	.0	.0	.0	• 2	80.9
SE	10.6	.0	5.3	. 0	.0	.0	.0	16.0	12.8	4.3	.0	.0	.0	.0	67.0
5	1.6	.0	.0	.0	.0	.0	.0	1.6	.5	1.0	1.0	.0	4.0	.0	91.9
SW	. 2	.0	. 4	.0	• 0	.0	.0	.6	.1	.3	. 8	.0	5.2	.0	93.0
W	1.2	1.2	.7	.0	.0	.0	.0	3.2	1.4	1.5	. 5	.0	5.7	.0	87.4
NW	.0	. 5	.0	.0	.0	.0	.0	.5	.0	2.6	2.1	.0	12.0	2.1	80.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.6	.3	.6	•0	•0	.0	.0	2.5	1.3	1.3	.7	.0	4.9	.1	89.1

TABLE 2

PERCENT FREQUENCY OF WEATHER DECURRENCE BY HOUR

			p	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	2.1 2.2 1.5	.0 .0 .0	.9 .7 .0 .7	.0	•0	.0	.0	1.8 2.9 2.2 3.7	1.4 1.7 2.2	.0 2.2 4.4	2.9	.0	3.2 9.3 5.0 2.9	.0 .7 .0	94.5 82.9 89.0 86.8
TOT PCT TOT DBS:	1.6	.3	.6	.0	•0	.0	.0	2.5	1.3	1.5	.7	.0	4.9	•1	89.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	IN SPE	ED (KN	TS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT	MEAN SPD	00	03	05	09	12	15	18	21
N	.5	1.1	. 9		.3	.0		2.8	12.2	1.5	3.4	4.6	3.2	2.5	6.5	. 6	2.2
NE	1.0	1.1	1.3	.3	. 1	.0		3.7	10.9	1.9	5.9	3.2	6.5	2.5	5.9	2.0	5.1
E	. 5	1.3	. 9	.6	. 3	.0		3.6	14.2	3.5	4.8	2.6	5.5	2.7	3.5	4.4	1.7
SE	. 3	1.9	1.1	.5	.1	.0		3.9	11.7	5.4	7.7	2.8	2.3	1.8	3.5	2.4	5.3
S	1.1	7.7	8.4	1.6		.0		19.1	12.7	26.1	16.7	24.3	4.9	17.2		24.0	17.5
SW	1.3	11.3	15.8		. 5	.0		32.0	12.9	34.2		34.7	21.4	35.5	30.6	33.7	25.8
W	1.0	10.8	9.3	3.1	.7	.0		24.9	13.1	20.0	23.8	16.7	39.0		30.3	22.4	
NW	. 2	4.9	2.2	. 8	. 3	.0		8.5	12.0	5,3	6.6	9.7	16.2	8.1	11.2	7.3	11.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5
CALM	1.5							1.5	.0	2.1	2.5	1.4	.0	. 8	.0	3.2	. 0
TOT UBS	86	463	461	114	29	0	1153		12.6	233	160	142	77	240	85	125	
TOT PCT	7.5	40.2	40.0		2.5	- 0		100.0					100.0		100.0		

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18
N	1.2	1.0	. 3	. 3	. 1		2.8	12.2	2.3	4.1	3.6	1.3
NE	1.6	1.0	1.0	.1	.0		3.7	10.9	3.6	4.3	3.5	3.7
E	1.3	. 7	1.3	. 2	. 1		3.6	14.2	4.1	4.0	2.9	3.2
S E	1.5	1.5	.5	. 3			3.9	11.7	6.3	2.6	2.2	3.6
5	3.9	10.0	4.7	.5	.0		19.1	12.7	22.3	17.5	14.9	21.3
SW	5.7	18.4	6.8	. 9	. 1		32.0	12.9	31.9	30.0	34.3	30.4
W	4.9	13.4	4.8	1.6	. 1		24.9	13.1	21.5	24.5	29.0	25.3
NW	2.2	4.7	1.3	. 1	. 2		8.5	12.0	5.8	12.0	8.9	9.3
VAR	.0	0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.5						1.5	.0	2.3	. 9	.6	1.9
TOT DAS	275	504	240	47	7	1153		12.6	393	219	325	216
TET PCT	23.9	50.	20.8	4.1	.6		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIO:	(PRIMARY)	1923-1969
	(DVER-ALL)	1855-1969

TABLE 4

AREA 0020 BARROW ISLAND 19.55 114.9E

PERCENTAGE	FRESUENCY	ne	WIND	SOFFD	AY	HOUR	(GMT)
PERCENTAGE	FREQUENCY		MINU	SHEEL	12.1	HOOK	(OHI /

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED 22-33	(KNOTS) 34-47	48+	MEAN	PCT	TOTA
	2.3	8.9	41.7	37.9	5.1	3.1	- 0	11.6	100.0	393
00603										
90300	. 9	2.7	37.4	46.1	9.1	3.7	.0		100.0	219
12615	.6	6.2	37.5	40.9	12.3	2.5	.0	13.0	100.0	325
						.5	.0	12.6	100.0	216
18821	1.9	3.7	44.0	36.	13.9				100.0	
TOT	17	69	463	461	114	29	0	12.6		1153
DCT	1 5	6.0	40.2	40 0	0.9	2.5	.0		100.0	

			1 A	BLE 7														
P	CT FRE			LOUD A		(EIGHTHS)		,					CEILIN NH <5/					
WIND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	MEAN CLOUD COVEP	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	1.2	.2	.6	5		3.3	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	2.1	
NE	4	.2	. 7	. 7		5.5	.0	.0	.0	.0	. 2	. 9	.0	.0	.0	.0	1.0	
6		.0	.6	1.7		5.7	.0	.0	.0	. 5	. 4	. 9	. 2	. 2	.0	.0	. 8	
ŠE	. 8	.3	. 5	1.6		5.3	.0	.0	.0	.6	. 4	.6	. 2	.0	.0	.0	1.5	
31	. 4		5.3	1.3		3.1	.0	.0	. 2	. 7	2.2	1.4	.0	.0	. 4	. 2	15.1	
5	9.4	4.2		2.5		2.9	.0	.0	. 1	. 1	2.7	1.8	. 6	. 2	.3	.3	28.8	
SW	17.3	8.9	6.0			3.7	.0	.0	.3	. 8	3.1	. 8	. 4	.0	.0	1.0	17.3	
W	10.7	3.9	4.2	4.8				.0	,	.0	. 3	.3	. 3	.0	.0	. 1	8.1	
NW	6.0	1.4	1.0	. 6		2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0		.0	.0			.0	.2	.2	.0	.0	.0	.0		
CALM	.6	.0	.6	. ?	_	4.2	.0	.0	.0	12	46	33	.0			• 7	356	471
TOT DBS	223	90	92	66	471	3.3	0	0	,	10			, 7		.6	1.5		100.0
TOT PCT	47.3	19.1	19.5	14.0	100.0		.0	.0	.6	2.8	9.8	7.0	1.7	. 4	• 0	1.2	13.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE DF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM		1	Company of	
CEILING	• GR	■ DR	= DR	= DR	= DR	E TOR	- OR	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	. 8	1.9	2.1	2.1	2.1	2.1	2.1	2.1
■ DR >5000	1.1	2.3	2.5	2.5	2.5	2.5	2.5	2.5
■ UR >3500	1.9	4.0	4.2	4.2	4.2	4.2	4.2	4.2
■ DR >2000	6.3	10.5	11.2	11.2	11.2	11.2	11.2	11.2
■ DR >1000	11.8	19.8	21.1	21.1	21.1	21.1	21.1	21.1
■ DR >600	12.6	21.5	22.9	23.8	23.8	23.8	23.8	23.8
■ DR >300	13.1	22.1	23.6	24.4	24.4	24.4	24.4	24.4
■ DR >150	13.1	22.1	23.6	24.4	24.4	24.4	24.4	24.4
• OR > 0	13.1	22.1	23.6	24.4	24.4	24.4	24.4	24.4
TOTAL	62	105	112	116	116	116	116	116

TOTAL NUMBER OF DBS: 475 PCT FREO NH (5/8) 75.6

TABLE 7A

PERCENTAGE FREE OF LOW CLOUDS (FIGHTHS)

O 1 2 3 4 5 6 7 8 08SCO 08S 17.6 23.8 15.4 12.7 4.8 6.1 4.0 5.1 10.5 .0 495

		R	

PERIOD: (PRIMARY) (OVER-ALL)							TA	BLE 8				ARE	4 0020 BARROW 19.55 11	
		PE	ERCENT	PREC	DF WIN	D DIRE	CIION TH VAR	A DCC	URRENC ALUES	E OR N	IBILI	CURRENC TY	E DF	
VSBY (NM)		N	NE	Ε	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
3172	TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<	NO PCP	.0	• 0	.0	.0	.0	.0	. 0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	PCP	.0	.0	.0	. 2	. 4		.0	.0	.0	.0			
1<2	NO PCP	.0	.0	.0	.0	. 1	. 1	.0	.0	.0	.0			
	TOT %	• 0	.0	.0	. 2	.5	. 2	.0	.0	.0	.0	. 9		
	PCP	.0	.0	. 1		.0	.0	. 1	.0	.0	.0	. 3		
2<5	NO PCP	. 2	• 1	. 1	.0	1.3	.9	. 5	. 2	.0	.0			
	TOT *	• 2	• 1	.3	*	1.3	.9	. 7	. 2	.0	.0	3.7		
	PCP	• 1	.0	.3		.0		. 3	.0	.0	.0	.7		
5<10	NO PCP	. 4	• 1		1.1	4.5	6.6	4.9	2.3	.0	. 1			
	TOT %	.6	• 1	.6	1.1	4.5	6.6	5.1	2.3	.0	.1	21.1		
	PCP	.0	.0	. 1	. 3	.0	. 1	. 3		.0	.0			
10+	NO PCP	2 . 1	2.3	2.3	1.9	15.8	27.1	15.0	4.6	.0	1.2			
	TOT %	2 • 1	2.3	2.4	2.2	16.8	27.2	15.3	4.7	.0	1.2	74.2		
	TOT OBS												667	
	TOT PCT	2.9	2.5	3.3	2 5	23 2	34.9	21.1	7.2	.0	1 2	100.0		

TABLE 9

VSBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS		-									-	DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	. 0	• 0	.0	. 1	.0	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
15	TOT %	.0	• 0	.0	.1	.0	.0	.0	.0	.0	.0	. 1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	. 2	. 1	.0	.0		. 2	
	11-21	.0	.0	.0	.0	.0	. 1	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	. 4	. 2	.0	.0		. 6	
	TOT %	.0	• 0	.0	.0	.0	. 7	. 2	.0	.0	.0	.9	
	0-3	.0	.0	.0	.0	.1	.0	. 1	.0	.0	.0	.2	
1<2	4-10	.0	• 1	. 2	.0	. 4	. 4	. 3	. 2	.0		1.7	
	11-21	. 1	• 3	. 2	- 1	.6	1.3	. 3	. 2	.0		3.0	
	22+	.0	• 0	.0	. 1	.6	. 7	. 2	.0	.0		1.7	
	TOT %	.1	.4	.4	.5	1.7	2.4	. 9	.4	.0	.0	6.5	
	0-3	.0	.0	.0	.0	.0	. 1	.0	.0	.0	.0	.1	
7<5	4-10	.0	• 0	. 1	.0	.6	. 3	.0	.0	.0		1.0	
	11-21	. 1	.0	.0	.0	. 4	.2	.3	- 1	.0		1.1	
	22+	. 1	• 1	• 1	*	.0	.6	.2	. 1	.0		.6	
	TOT %	. 2	• 1	. 2		1.0	.0	.5	. 2	.0	.0	2.8	
	0-3	.3	.6	. 1	.0	.0	.0	.3	.0	.0	. 4	1.8	
5<10	4-10	.3	. 7	. 3	1.0	1.9	2.3	4.1	2.6	.0		13.1	
	11-21	. 2	.5	. 3	. 7	2.7	4.0	2.7	. 9	.0		11.9	
	22+ 707 %	.0	.0	. 4	. *	.6	7.0	7.4	3.7	.0		2.3	
	101 %	. 8	1.8	1.1	1.8	5.1	7.0		3.1	.0	.4	29.2	
	0-3	.3	.6	. 4	. 3	1.0	1.3	. 7	.3	.0	. 9	5.9	
10+	4-10	1.1	.4	.6	. 8	5.0	8.3	5.6	3.0	.0		24.8	
	11-21	.5	.6	. 5	. 4	6.0	11.4	5.5	1.2	.0		26.2	
	22+	.0	.3	.4	. 5	1.2	1.1	2	.0	.0		3.8	
	TOT %	1.9	2.0	1.9	2.0	13.3	22.2	12.0	4.4	.0	. 9	60.6	
	OT DAS												905
T	OT PCT	3.0	4.3	3.5	4.1	21.0	32.9	21.1	8.7	.0	1.3	100.0	

PERIOD:	(PRIMARY)	1923-1969
	(DVER-ALL)	1855-1949

TABLE 10

AREA 0020 BARROW ISLAND 19.55 114.9E

	PERCENT	FREQUENCY	DF	CEILING	HEIGHTS	(FEET, NH	>4/81	AND
--	---------	-----------	----	---------	---------	-----------	-------	-----

HOUR (GMT)	000	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.0	.0	1.6	3.9	15.0	6.3	1.6	.0	1.6	3.1	33.1	66.9	127
06609	.0	.0	.0	1.6	4.8	10.5	.0	.8	. 8	1.6	20.2	79.8	124
12615	.0	.0	.0	4.2	7.6	2.5	. 8	. 8	.0	8.	16.8	83.2	119
18621	.0	.0	.9	.9	11.4	7.9	4.4	.0	.0	.0	25.4	74.6	114
PCT	.0	.0	.6	13 2.7	9.7	6.8	1.7	.4	.6	1.4	116 24.0	368 76.0	464 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	((NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.0	.7	6.0	1.3	28.9	63.1	301	60300	.0	1.6	8.0	25.6	66.4	125
06609	.0	.0	6.2	2.8	26.6	64.4	177	06809	.0	.0	5.7	18.9	75.4	122
12615	.4	1.5	7.7	4.2	30.3	55.9	261	12615	.0	.0	8.5	11.0	80.5	118
18621	.0	1.1	5.3	3.2	34.8	55.6	187	18821	.0	.9	4.5	23.5	71.8	110
TOT	1	.9	59	26	278	554 59.8	926	PCT	.0	.6		94	349 73.5	475 100.0

TABLE 12

TEMP

	PERC	ENT FR	EQUENC	OF R	ELATIVE	HUMI!	DITY BY	Y TEMP		
									TOTAL.	PCT
F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ
99	.0	.0	.5	. ?	. 2	.0	.0	.0	5	.8
94	.0	.2		1.3	. 8	1.0	. 2	.0	24	3.9
89	.0	. 2		. 3	2.3	9.0	5.3	. 5	113	18.2
84	.0	.0	.0	.5	1.5	13.7	25.2	8.2	304	49.0
79	.0	.0		.0	. 2	4.4	13.4	6.8	153	24.7
74	.0	.0			2	.6	1.5	1.1	21	3.4
AL	0	2	10	14	31	178	282	103	620	100.0
Ť	.0	.3		2.3	5.0	28.7	45.5	16.6		

TABLE 1

				· MOL					
	PERCE	NT FR	EQUENCY	DF W	IND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	5	SW	W	NW	VAR	CALM
.0	.0	.0	.0	11	. 2	. 5	.0	.0	.0
. 3	. 3	. 6	. 5	. 5	. 9	. 2	. 5	.0	.0
1.0	1.5	. 5	. 8	1.9	4.6	4.4	3.1	.0	.5
2.5	3.2	2.3	2.5	4.1	13.5	13.7	6.3	.0	1.0
.0	.1	. 4	.6	7.5	9.2	5.6	1.3	.0	.0
.0	.0	.0	. 2	1.9	1.3	.0	.0	.0	• 0
3.9	5.1	3.7	4.5	16.0	29.6	24.4	11.2	.0	1.6

TARLE 15

	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TEM	IP (DE	G F) B	Y HOUR
HOUR (CMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00803	98	93	89	82	75	73	70	82.2	391
00809	96	91	88	83	77	73	69	83.0	219
17615	98	95	8.8	81	75	73	72	81.5	324
18621	89	87	85	80	75	73	73	80.1	221
TOT	94	92	8.8	82	75	73	69	81.8	1155

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	7.8	7.3	33.7	37.8	13.5	78	193
90300	.0	. 8	7.4	43.4	36.9	11.5	79	122
12615	.0	4.4	2.2	22.4	51.4	19.7	82	183
18621	. 0	2.2	3.6	16.8	54.7	22.6	84	137
TOT	0	27	32	182	287	107	81	635

JANUARY

PERIOD: (PRIMARY) 1923-1969 (DVER-ALL) 1855-1969

TABLE 17

AREA 0020 BARROW ISLAND 19.55 114.9E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69	73 76	77 80	81 84	85 88	89 92	>92	TOT	FOG	FOG	
11/13	.0	.0	.0	.0	.2	.0	.0	1	.0	.2	
9/10	. 0	.0	.0	. 2	. 8	. 8	.0	1 9	. 2	1.6	
7/8	.0	.0	.0	.4	1.0	. 4	. 2	10	.0	2.0	
6	.0	. 2	.0	.0	.4	.4	.0	5	.0	1.0	
6 5 4 3 2 1 0	.0	.0	.0 .2 .6	. 8	. 0	. 2	.0	10 5 9 21 21	.0	1.8	
4	.0	.0	.6	1.8	1.0	. 2	.0	21	.0	4.3	
3	.0	. 2	1.0	1.6	1.0	. 4	.0	21	.0	4.3	
2	.0	. 2	1.4	5.3	2.0	.0	.0	44	.0	8.9	
1	.0	. 2	.6	4.1	1.4	.0	.0	31	.0	6.3	
0	.0	1.2	3.7	9.3	1.6	.0	.0	78	.0	15.9	
-1	.0	1.8	6.1	6.9	1.8	.0	.0	82	.0	16.7	
-2 -3	.0	1.4	5.1	7.3	1.8	.0	.0	69	.0	14.0	
-3	.0	1.2	3.0	5.5	.4	.0	.0	50	. 2	10.0	
-4	.0	. 8	2.4	2.2	.4 .2	.0	.0	28	. 2	5.5	
-5	. 2	. 6	1.0	1.6	.0	.0	.0	19	. 2	3.7	
-6	.0	. 4	.0	. 4	.0	.0	.0	4	.0	. 8	
-7/-8	.0	. 4	. 8	.6	.0	.0	.0	9	.0	1.8	
-9/-10	.0	.0	.4	.0	68	.0	.0	2	.0	488	
TOTAL	.0		130		68		.0		4	488	
		43		237		12		492			
PCT	. 2	8.7	26.4	48.2	13.8	2.4	. 2	100.0	. 8	99.2	

PERIOD: (QVER-ALL) 1963-1969

TABLE 18
PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ TUT PCT 1-3 34-47 1-3 34-47 E 27~33 34-47 HGT <1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
01-70
71-86 1-3 48+ 1-3 4-10 11-21

	JANUARY	
PERIOD: (OVER-ALL) 1963-1969	TABLE 18 (CONT)	19.55 114.9E
	PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHT	S (FT)

								3) AND DINE							
				s							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.3	.3	.4	.0	.0	.0	.9	.4	.5	.0	.0	.0	.0	. 9	
1-2	.4	2.2	1.4	.0	.0	.0	4.0	.4	4.1	2.6	.0	.0	.0	7.0	
3-4	. 5	.6	3.1	.0	.0	.0	4.3	.0	1.5	11.1	.0	.0	.0	12.6	
5-6	.0	. 0	1.6	.6	.0	.0	2.2	.0	. 7	6.9	. 8	.0	.0	8.4	
7	.0	.0	2.3	1.6	.0	.0	3.9	.0	.0	3.9	1.3	.0	.0	5.2	
8-9	.0	.0	. 4	.5	.9	.0	1.8	.0	. 0	.1	1.2	. 1	.0	1.4	
10-11	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	1.2	1.1	.0	.0	2.2	
12	.0	.0	.0	.0	. 4	.0	.4	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	. 4	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
67+	.0	.0	.0	.0	.0	. C	.0	.0	.0	.0	.0	.0	.0	.0	
TUT PCT	1.2	3.1	10.1	2.8	1.2	.0	18.4	.7	6.9	25.7	4.8	. 1	.0	38.2	
											1000				
				22-33			2002				NW				TOTAL
HGT	1-3	4-10	11-21												
<1				22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
	.0	1.2	.0	.0	.0	.0	1.2	.0	1.4	.0	.0	.0	.0	1.4	PCT
1-2	.0	7.1	1.4	.0	.0	.0	1.2 8.5	.0	2.6	.0	.0	.0	.0	3.2	PCT
3-4	.0	7.1 1.0	1.4 4.8	.0	.0	.0	1.2 8.5 6.1	.0	2.6	.6	.0	.0	.0	3.2	PCT
3-4	.0	7.1 1.0	1.4 4.8 4.2	.0	.0	.0	1.2 8.5 6.1 5.2	.0	1.4 2.6 1.5	.0	.0	.0	.0	1.4 3.2 2.4	PCT
3-4 5-6 7	.0	1.2 7.1 1.0 .4	1.4 4.8 4.2 1.6	.0 .4 .7	.0	.0	1.2 8.5 6.1 5.2 2.9	.0	1.4 2.6 1.5 .4	.0	.0	.0	.0	1.4 3.2 2.4 .9	PCT
3-4 5-6 7 8-9	.0	1.2 7.1 1.0 .4	1.4 4.8 4.2 1.6	.0 .4 .7 1.3	.0	.0	1.2 8.5 6.1 5.2 2.9	.0	1.4 2.6 1.5 .4	.0	.0	.00	.0	1.4 3.2 2.4 .9	PCT
3-4 5-6 7 8-9 10-11	.0	1.2 7.1 1.0 .4 .0	1.4 4.8 4.2 1.6	.0 .4 .7 1.3	.0	.0	1.2 8.5 6.1 5.2 2.9	.0	1.4 2.6 1.5 .4 .0	.6	.0	.0	.0	1.4 3.2 2.4 .9 .4	PCT
3-4 5-6 7 8-9 10-11 12	.0	1.2 7.1 1.0 .4 .0	1.4 4.8 4.2 1.6	.0 .4 .7 1.3	.0	.0	1.2 8.5 6.1 5.2 2.9 .3	.0	1.4 2.6 1.5 .4 .0	.0	.0	.0	.00000000	1.4 3.2 2.4 .9 .4	PCT
3-4 5-6 7 8-9 10-11 12 13-16	.0	1.2 7.1 1.0 .4 .0 .0	1.4 4.8 4.2 1.6	.0 .4 .7 1.3 .0	.0	.00000000000000000000000000000000000000	1.2 8.5 6.1 5.2 2.9 .3	.0	1.4 2.6 1.5 .4 .0 .0	.0	.0	.0	.0000000000	1.4 3.2 2.4 .9 .4 .0 .7	PCT
3-4 5-6 7 8-9 10-11 12 13-16 17-19	.00000000000000000000000000000000000000	1.2 7.1 1.0 .4 .0 .0	1.4 4.8 4.2 1.6 .3 .0	.0 .4 .7 1.3 .0 .0	.0	.0	1.2 8.5 6.1 5.2 2.9 .3 .0	.0	1.4 2.6 1.5 .4 .0 .0 .0	.0	.0	.0	.0	1,4 3.2 2.4 .9 .4 .0 .7	PCT
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	.0	1.2 7.1 1.0 .4 .0 .0 .0	1.4 4.8 4.2 1.6 .3 .0	.0	.0	.0	1.2 8.5 6.1 5.2 2.9 .3 .0	.0	1.4 2.6 1.5 .4 .0 .0 .0	0.69954040000	.00000040400	.0	.00000000000000000000000000000000000000	1,4 3.2 2.4 .9 .4 .0 .7 .0	PCT
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.0	1.2	1.4 4.8 4.2 1.6 .3 .0	1.3	.0	.00000000000000000000000000000000000000	1.2 8.5 6.1 5.2 2.9 .3 .0	.0	1.4	0.695.40400000	000000404000	.00000000000000000000000000000000000000		1.4 3.2 2.4 .9 .4 .0 .7 .0	PCT
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.00000000000000000000000000000000000000	1.2	1.4 4.8 4.2 1.6 .3 .0 .0	.0	.0	.00000000000000000000000000000000000000	1.2 8.5 6.1 5.2 2.9 .3 .0	.0	1.4	0.695404000000			000000000000000000000000000000000000000	1.4 3.2 2.4 .9 .4 .0 .7 .0 .0	PCT
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	.00000000000000000000000000000000000000	1.2	1.4 4.8 4.2 1.6 .3 .0 .0	1.3	.0	.00000000000000000000000000000000000000	1.2 8.5 6.1 5.2 2.9 .0 .0	000000000000000000000000000000000000000	1.4	0.6954040000000	00000040400000		000000000000000000000000000000000000000	1.4 3.2 2.4 .9 .4 .0 .7 .0 .4	PCT
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48	000000000000000000000000000000000000000	1.2	1.4 4.8 4.2 1.6 .3 .0 .0	1.3	.0	000000000000000000000000000000000000000	1.2 8.5 6.1 5.2 2.9 .0 .0 .0	000000000000000000000000000000000000000	1.4	0.69540400000000			000000000000000000000000000000000000000	1.4	PCT
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 23-40 41-48 49-60	.0	1.27.11.00.44.00.00.00.00.00.00.00.00.00.00.00.	1.4 4.8 4.2 1.6 .3 .0 .0 .0	1.3	.0	.00	1.2 8.5 6.1 5.2 2.9 .0 .0 .0	.0	1.4 2.6 1.5 .0 .0 .0 .0 .0 .0 .0 .0 .0	0695404000000000000000000000000000000000	.0000040400000000			3.2.4.9.4.00.7.00.00.00.00.00.00	PCT
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 23-40 41-48 49-60 61-70		1.27.11.00.00.00.00.00.00.00.00.00.00.00.00.	.001.444.844.21.66.33.00.00.00.00.00.00.00.00.00.00.00.00.	1.3	.00000000000000000000000000000000000000	.00.00.00.00.00.00.00.00.00.00.00.00.00	1.2 8.5 6.1 5.2 2.9 .0 .0 .0	.0	1.4 2.6 1.5 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0 .6 .9 .5 .4 .0 .0 .0 .0 .0	.0	000000000000000000000000000000000000000	.0	3.2 2.9 4.00	PCT
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 23-40 41-48 49-60 61-70 71-86		7.1	.0 1.4 4.8 4.2 1.6 .0 .0 .0 .0 .0 .0 .0	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .			1.2 8.5 6.1 5.2 2.9 .0 .0 .0 .0	.0	1.4 2.6 1.5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0.6	.0	000000000000000000000000000000000000000		3.2 2.9 4.00	PCT
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 23-40 41-48 49-60 61-70		1.27.11.00.00.00.00.00.00.00.00.00.00.00.00.	.001.444.844.21.66.33.00.00.00.00.00.00.00.00.00.00.00.00.	1.3	.00000000000000000000000000000000000000	.00.00.00.00.00.00.00.00.00.00.00.00.00	1.2 8.5 6.1 5.2 2.9 .0 .0 .0	.0	1.4 2.6 1.5 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0 .6 .9 .5 .4 .0 .0 .0 .0 .0	.0	000000000000000000000000000000000000000	.0	3.2 2.9 4.00	98.6

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.1	4.3	.4	.0	.0	.0	6.8	003
1-2	.7	17.4	6.8	.0	.0	.0	24.9	
3-4	. 7	5.7	21.0	.4	.0	.0	27.8	
5-6	.0	1.4	14.6		.0	.0	19.2	
7	.0	.0	8.2	4,3	.0	.0	12.5	
8-9	.0	.0	.7	2,1		.0	3.9	
10-11	.0	.0	2.5	1.4		.0	3.9	
12	.0	.0		.0	. 4	.0	. 4	
13-16	.0	.0	.0	.7	.0	.0	.7	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-66	.0	.0		.0	.0	.0	.0	
87+			.0	.0	.0	.0	.0	
01+	.0	.0	.0	.0	.0		.0	201
TOT PCT	3.6	28.8	54.1	12.1	1.4	.0	100.0	281

PERI	no: (av	ER-ALL	1 195	10-1966	PERCENT	FRE	DUENCY	OF WA	TABLE VE HFIO) VS	WAVE PI	ERIDD	(SECONI	05)						
PERIOD (SEC)	< 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	25-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	2.9	17.6	10.4	6.3	3.7	.6	. 9	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	150	3
6-7	• 0	.0	3.7	9.4	5.5	. 9	. 3	.6	1.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	75	6
8-9	.0	.0	1.4	2.6	4.0	2.6	3.2	1.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	57	8
10-11	.0	.0	1.2	.3	.9	1.7	1.7	1.2	. 9	. 3	. 3	.0	.0	.0	.0	.0	.0	.0	.0	29	9
12-13	• 0	.0	. 3	.0	.3	.0	.0	. 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	9
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	. 0	.0	.0	.0	3	16
INDET	1.4	. 6	. 6	1.4	2.3	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	5
TOTAL	15	63	61	69	58	25	21	15		4	2	0	0	0	0	0	0	0	0	347	6
PCT	4.3	18.2	17.6	19.9	16.7	7.2	6.1	4.3	4.0	1.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

F	E	8	R	U	A	R	Y	

PERIND:	(PRIMARY)	1922-1969
	COVER-ALLY	1955-1969

TABLE 1

AREA 0020 BARROW ISLAND 19.95 114.5E

DEDCENT	ENCOURNEY	ns	MEATHER	DCCURRENCE	D.	WIND	DIRECTIO
PERCENT	PREQUENCY	D+	WEATHER	UCCORRENCE	DY	MIND	DIKECTIO

					ENCEN	, KEGO	ENCIL	" HEATTER			110 010	2011011			
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N NE	9.5	.0	.0	.0	.0	.0	.0	9.5	.0	2.2	1.7	.0	.0	.0	86.6
E SE	11.8	3.6	.0	.0	.0	.0	.0	15.4	2.1	2.1	.0	.0	2.1	.0	78.5
S	1.1	.6	.0	.0	.0	.0	.0	1.2	.0	2.0	.0	.0	5.1	.0	92.8
W NW	1.7	5.9	.0	.0	.0	.0	.0	10.8	.0	3.4	.0	:0	5.9	.0	79.4
CALM	0.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0	91.3
TOT PCT TOT OBS:	3.5	1.3	.0	•0	•0	.0	.0	4.9	•1	2.1	.3	.0	3.7	.0	88.9

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00603	3.6	2.0	.0	.0	.0	.0	-0	5.6	.0	.0	. 3	.0	4.3	.0	89.7
90330	2.2	.0	.0	.0	.0	.0	- 0	2.2	1.1	.0	.0	.0	5.6	.0	91.1
12615	4.0	1.5	.0	.0	.0	.0	.0	5.4	.0	5.0	. 5	.0	4.0	.0	85.1
18621	3.3	.0	.0	.0	• 0		.0	3.3	.0	4.4	.0	.0	.0	.0	92.3
TOT PCT	3.5	1.3	.0	.0	•0	.0	-0	4.8	.1	2.0	.3	.0	3.8	.0	88.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	IN SPE	ED (KN	DTSI								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N	1.3	2.4	1.0	.2	.1	.0		4.9	8.4	3.9	7.2	4.9	7.5	6.0	.7	2.5	1.9	
NE	. 9	2.1	1.2	.5	. 1	.0		4.8	10.6	4.2	5.8	3.4	4.8	6.4	3.7	5. B	.0	
E	. 8	2.0	1.9	.5	. 2	.0		5.4	12.8	6.2	6.9	5.2	3.8	5.4	1.9	4.7	3.8	
SE	1.2	2.6	1.9	. 5	. 2	.0		6.4	11.3	8.3	6.4	11.5	3.1	3.7	3.4	7.4	7.1	
S	1.2	7.5	10.1	2.2	. 1	.0		21.0	12.6	24.1	16.3	24.5	19.9	17.1	26.5	22.3	29.5	
SW	3.2	12.3	9.6	2.2	. 3	.0		27.4	10.9	27.7	28.8	25.5	23.3	28.5	23.5	24.2	32.1	
W	1.4	9.8	5.0		. 1	.0		17.8	10.6	14.9	17.7	16.4	13.7	19.5	26.9	20.1	16.0	
NW	1.1	5.5	2.3	.5		.0		9.5	9.4	7.1	6.5	7.6	22.6	12.2	11.9	6.5	8.3	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	
CALM	2.7							2.7	.0	3.5	4.3	1.0	1.4	1.1	1.5	6.6	1.3	
TOT OBS	161	515	384	92	12	0	1164		10.7	256	234	96	73	269	67	91	78	
TOT PCT	12 0	44 2	22.0		1.0	0		100 0		100-0	100.0	100.0	100-0	100.0	100.0	100.0	100.0	

+	Δ	A	L	=	3	4

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL DBS	PCT FREQ	MEAN	00	06 09	12 15	18
N	2.5	1.8	.5	.1	.0		4.9	8.4	5.5	6.1	5.0	2.2
NE	1.8	2.1	. 7	. 2	.0		4.8	10.6	4.9	4.0	5.9	3.1
E	1.6	2.3	1.1	. 4	.0		5.4	12.8	6.5	4.5	4.7	4.3
SE	2.3	2.5	1.2	. 3	. 1		6.4	11.3	7.4	7.8	3.6	7.2
S	4.1	11.4	5.3	.2	.0		21.0	12.6	20.4	22.5	19.0	25.6
SW	8.4	14.3	4.1	. 3	. 3		27.4	10.9	28.3	24.6	27.5	27.8
W	5.8	8.4	3.1	.4	.0		17.8	10.6	16.3	15.2	21.0	18.2
NW	3.7	4.5	1.2	.2	.0		9.5	9.4	6.8	14.1	12.1	7.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.7						2.7	.0	3.9	1.2	1.2	4.1
TOT DAS	384	551	201	24	4	1164		10.7	490	169	336	159
TOT PCT	33.0	47.3	17.3	2.1	. 3		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1922-1969 (DVER-ALL) 1855-1969

TABLE 4

AREA 0020 BARROW ISLAND 19.95 114.5E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND		KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL
00603	3.9	16.9	42.2	29.6	6.9	.4	.0	9.7	100.0	490
90300	1.2	4.7	42.6	40.8	9.5	1.2	. 0		100.0	169
12615	1.2	7.7	48.8	31.5	8.9	1.6			100.0	336
18621	4.1	7.1	42.6	37.9	7.1	1.2	.0		100.0	169
TOT	32	129	515	384	92	12	0	10.7		1164
DCT	2 7	11 1	44 2	22 0	7.9	1.0	.0		100.0	

TABLE 5

TABLE 6

				ADEC														
P	CT FRE			CLOUD A		(EIGHTHS)		1			REQUEN CURREN							
WNO DIR	0-2	3-4	5-7	8 & 0850n	TOTAL	CLOUD COVER	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000	6500 7 999	8000+	NH <5/8 ANY HGT	DRS
N	2.2	1.0	. 8	.4		3.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	. ?	3.8	
NE	2.3	1.3	2.8	. 9		4.5	.0	.0	.0	. 4	1.2	1.0	.6	.0	.0	.0	4.0	
	2.3	1.0	3.6			5.0	.0	.0	.0	1.4	.6	2.2	.0	.0	.0	.0	4.1	
SF	3.0	1.3	2.3	1.4		4.0	.0	.0	.0	2.0	. 6	. 4	.0	.0	.0	.0	5.5	
5	9.4	3.9	3.8			2.6	.0	.0	.0	. 6	. 3	. 9	. 6	.0	. 3	. 3	14.7	
SW	13.4	5.7	2.7	1.3		2.4	.0	.0	.0	.6	1.0	.1	.4	.0	.0	.0	21.1	
3"	9.9	3.6	3.8			2.8	.0	.0	.0	.5	1.3	.0	. 5	.0	.0	.0	15.9	
NW	2.7	2.4	2.0			3.9	.0	.0	.0	.0	. 8	. 3	. 2	.0	. 3	.0	6.7	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	
TOT DBS	3.5	. 3	69	25	211	3.1	.0	• 0	.0	17	20	15	7	. 0	2	1	249	311
TUT PCT	153	64	22.2		100.0	3.1	.0	.0	.0	5.5	6.4	4.8	2.3	•0	.6	. 3	80.1	100.0
TUT PCT	49.2	20.6	66.6	8.0	100.0		• 0	• 0	. 0					• 0				

TABLE 7

CUMULATIVE	PCT FREQ	DF SIMULTA	MEDUS DO	CURRENCE
		(NH 34/8)		

				VSBY (NM	1			
CEILING	- DR	· DR	= DR	= DR	= OR	* OR	· DR	. DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
■ DR >5000	.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
■ DR >3500	2.5	3.2	3.2	3.2	3.2	3.2	3.2	3.2
■ DR >2000	6.4	7.6	8.0	8.0	8.0	8.0	8.0	8.0
■ DR >1000	9.9	13.1	14.3	14.3	14.3	14.3	14.3	14.3
■ DR >600	13.7	17.5	19.7	19.7	19.7	19.7	19.7	19.7
■ DR >300	13.7	17.5	19.7	19.7	19.7	19.7	19.7	19.7
■ DR >150	13.7	17.5	19.7	19.7	19.7	19.7	19.7	19.7
• OR > 0	13.7	17.5	19.7	19.7	19.7	19.7	19.7	19.7
TOTAL	43	55	62	62	62	62	62	62

TOTAL NUMBER UF DBS: 314 PCT FREQ NH 45/81 80.3

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCD 0BS 21.0 25.3 17.1 10.1 6.1 6.7 3.0 5.8 4.9 .0 328

FEBRUARY

								FEB	RUARY						
PERIOD:		922-1969 855-1969						ТА	BLE 8				ARE		DW 15LAN 114.5E
			PE	RCENT	PREC I	F WIN	D DIRE	CTION TH VAR	VS DCC	URRENC ALUES	E OR N	IBILIT	URRENC	E OF	
	V58Y (NM)		N	NE	F	SF	5	Sw	W	NW	VAR	CALM	PCT	TOTAL	
	<1/2	PCP NO PCP TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1/2<1	PCP ND PCP	•0	•0	.0	.1	.0	.0	.0	.0	.0	.0	.1		
	142	PCP NO PCP	•1	.0	.0		.1	.1	.0	.0	.0	.0	.6		
	1<5	TOT &	• 1	.0	.0	•0	.4	:6		.3	.0	.0	1.6		
	2<5	PCP NO PCP TOT %	.1	.2	.1	.1	.0	1.1	.0	.2	.0	.1	3.0 4.0		
	5<10	PCP NO PCP TOT %	1.0 1.1	·1 1·1 1·3	.1 .9 1.0	2.0	.0 4.8 4.8	4.8 4.8	3.7 4.0	1.8 2.0	.0	.4	1.0 20.7 21.7		
	10+	PCP NO PCP TOT %	·1 4.7 4.9	4.4	5.1 5.5	4.0	.1 12.4 12.5	19.3 19.5	.0 13.2 13.2	.6 4.3 4.8	.0	2.8	2.1 70.3 72.3		

TOT DES TOT PCT 6.5 6.1 7.2 7.4 18.5 26.1 17.2 7.5 .0 3.4 100.0

676

TABLE 9 PERCENT FRED OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY SP0 KTS 0-3 4-10 11-21 22+ TOT % VSRY SE .0 .0 .0 .0000 .0 .0 .0000 .0 .0 <1/2 .0 1/2<1 0-3 1/2<1 4-10 11-21 22+ TOT % .0 .0 .0 .1 .1 .0 .0 .0 .1 .0 .0 .0000 .1 .1 .2 .5 .2 1.4 4.2 1.4 7.2 .0 . 1 .1 0-3 4-10 11-21 22+ TOT % .0 .2 1.7 .6 2.5 .0 .0 .0 .4 .0 .7 .1 .0 .2 .1 .3 .8 .5 .0000 .0 0-3 4-10 11-21 22+ TOT % .2 .6 .1 .0 .9 1.4 .7 .8 3.3 .0 .00.00 .1 .0 .0 .0 .5 .1 . 1 .2 1.5 1.2 * .0000 .8 2.3 11.6 11.4 3.1 .8 25.4 5<10 0-3 4-10 11-21 22+ TOT % .2 .8 .1 .1 .1 .6 .4 .2 1.4 .0 .5 .3 .2 1.0 .0 2.4 2.1 .2 4.6 .2 1.0 .4 .4 2.1 2.1 4.2 1.3 7.8 .6 2.6 2.7 .6 6.5 1.3
6.5
2.7
.2
10.7 1.6 1.7 .5 10+ 0-3 4-10 11-21 22+ 101 % 3.0 .00000 1.3 1.9 .5 .0 .7 1.9 .7 .2 3.6 TOT DAS TOT PCT 5.4 5.7 6.3 6.7 22.0 26.4 16.4 8.1 .0 3.1 100.0

F			

PERIOD: (PRIMARY) 1922-1969 (OVER-ALL) 1855-1969

TABLE 10

AREA 0020 BARROW ISLAND 19.95 114.5E

PERCENT PREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

					-									
HOUR (GMT)	000	150 299	300 599	600	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00803	.0	.0	•0	6.6	2.6	2.6	2.6	.0	1.3	1.3	17.1	82.9	76	
05609	.0	.0	•0	6.7	9.3	4.0	.0	.0	.0	.0	20.0	80.0	75	
12815	.0	.0	•0	4.3	5.4	5.4	3.3	.0	.0	.0	18.5	81.5	92	
18621	.0	.0	• 0	3.8	7.5	6.3	2.5	.0	1.3	.0	21.3	78.8	80	
TOT	0	0	0	17	20	15	7 2.2	0	.6	.3	19.2	261 80.8	323	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)), BY HOUR	
HEIUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HDUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ 4ND5+	NH <5/8 AND 5+	TOTAL
00803	.0	.5	5.0	1.8	26.1	66.5	379	60300	.0	.0	8.0	9.3	82.7	75
06609	.0	.0	9.2	.8	26.9	63.1	130	90360	.0	.0	8.3	12.5	79.2	72
12815	.0	. 7	11.1	6.9	31.6	49.7	288	12815	.0	.0	5.8	13.6	79.5	88
18821	.0	.7	5.8	1.5	30.7	61.3	137	18621	.0	.0	5.1	16.5	78.5	79
TOT	.0	5	71	30	267	561	934	1DT PCT	.0	.0	7.0	41 13.1	251 79.9	314

т	Δ	P	L	E	1	3

			TA	BLE I	4			
PERCENT	FRE	QUENCY	OF	WIND	DIR	ECTION	ВЧ	TEMP
NE	E	SE		s	SW	W	N	N VA

VAR CALM

	PERCI	ENT FRI	EDNENC,	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ
95/99	.0	.0	.0	.4	.1	. 3	.0	.0	6	. 9
90/94	.0	.0	.3	1.3	.9	1.4	. 1	. 3	30	4.3
55/99	.0	.0	.4	2.3	3.3	11.0	8.0	1.4	185	26.5
80/84	.0	.0	.0	1.0	3.9	10.6	24.5	9.7	347	49.6
75/79	.0	.0	.0	.0	.4	4.6	7.6	4.6	120	17.2
70/74	.0	.0	.0	.0	.0	.4	.6	. 4	10	1.4
65/69	.0	.0	.0	.0	.0	.1	.0	.0	1	.1
TOTAL	0	0	5	35	60	199	285	115	699	100.0
PCT	.0	.0	. 7	5.0	R.6	28.5	40.8	16.5		

2.3	1.8	3.7	4.1	9.5	11.8	9.6	5.2	.0	1.7
							. 7		
.0	.0	.0	.1	1.1	. 1	. 1	.0	.0	.0
• 0	.0	.0	.0	.1	.0	.0	.0	.0	.0
6.4	5.4	6.2	6.3	21.4	24.0	17.3	9.3	.0	3.6

TABLE 15

	ME ANS,	XTREME!	SAND	PERCEN	TILES	OF TEM	P (DE	G F) B	Y HOUR
HOUR (GMT)	МДХ	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
F0300	96	95	90	83	76	74	68	83.5	489
12615	95	92	88	82	77	75	72	82.4	339
10821	88	94	85	81	76	74	73	80.4	171

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGIMU	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	.0	10.8	11.1	30.0	32.4	15.7	77	287
90300	.0	1.0	11.3	40.2	41.2	6.2	79	97
12615	.0	3.5	6.1	24.6	46.5	19.3	82	228
18821	.0	. 9	3.7	20.6	50.5	24.3	84	107
TOT	0	41	61	203	293	121	90	719

FEBRUARY

PERIOD: (PRIMARY) 1922-1969 (OVER-ALL) 1855-1969

TABLE 17

AREA 0020 BARROW ISLAND 19.95 114.5E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

	VS	AIR	-SEA	EMPE	RATURE	0144	EVENCE	(DEG F)		
4	IR-SEA	73	77	81	85	89	>92	TOT	w	WO
	MP DIF	76	80	84	88	92			FOG	FDG
	14/16	.0	.0	. 3	.0	.0	.0	1	.0	.3
	11/13	.0	.0	.0	.6	. 6	1.4	9	.0	2.5
	7/8	.0	.0	. 9	. 3	. 6	.0	6	. 3	1.4
	6	.0	.3	.3	. 9	.0	.0	5 7	.0	1.4
	5	.0	.3	.3	1.4	.0	-0	7	.0	2.0
	4	.0	. 3	2.9	2.6	.0	.0	20	.0	5.7
	3	.0	. 6	.6	3.1	.0	. 0	15	.0	4.3
	5 4 3 2 1	.0	1.1	3.7	2.9	.0	.0	27	.0	7.7
	1	. 3	1.7	5.7	4.0	.0	.0	41	.0	11.7
	0	.3	3.7	10.9	2.9	. 3	.0	63	.0	18.0
	-1	. 3	3.4	7.7	1.1	.0	.0	44	.3	12.3
	-2	. 9	2.9	7.7	.6	.0	.0	42	.0	12.0
	-3	. 3	2.6	4.0	.6	.0	.0	26	.0	7.4
	-4	.0	3.1	3.7	. 3	.0	.0	25	.0	7.1
	-5	. 3	1.4	1.4	. 3	.0	.0	12	.0	3.4
	-6	.0	. 3	.3	.0	.0	.0	2	.0	. 6
	-7/-8	.6	. 3	.6	.0	.0	.0	5	.0	1.4
	TOTAL	10		178		5			2	348
			77		75		5	350		
	PCT	2.9	22.0	50.9	21.4	1.4	1.4	100.0	.6	99.4

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	. 4	.0	.0	.0	• 0	1.0	.0	.5	.0	.0	.0	.0	. 5
1-2	. 5	1.0	.0	.0	.0	• 0	1.5	.0	2.9	. 5	.0	.0	.0	3.4
3-4	.0	.0	.4	.0	• 0	.0	.4	.0	.0	.7	.0	.0	.0	.7
5-6	.0	. 5	.0	.0	• 0	.0	.5	.0	.5	.3	.0	.0	.0	. 8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	. 5	.0	.0	1.1
8-9	.0	.0	.0	.0	.4	.0	. 4	.0	.0	.0	. 5	.0	.0	.5
10-11	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	. 5	.5	.0	1.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.1	.0	. 1
20-22	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	. 0	.0	.0
61-70	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	1.9	. 4	.0	. 4	.0	3.8	.0	3.9	2.0	1.6	. 7	.0	8.3
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	. 8	.0	.0	.0	. 8	.0	.0	1.4	.0	.0	.0	1.4
3-4	.0	. 5	3.7	.0	• 0	• 0	4.2	.0	.0	1.2	.0	.0	.0	1.2
5-6	.0	1.0	7.4	.0	• 0	.0	3.4	.0	. 1	2.7	.0	.0	.0	2.9
7	.0	.0	.5	1.0	.0	.0	1.5	.0	.0	.5	1.8	.0	.0	2.3
8-9	.0	.0	.0	.5	.5	.0	1.1	.0	.0	.0	.0	. 0	.0	.0
10-11	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	. 0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	. 4	• C	. 4	.0	.0	.0	. 5	.0	.0	. 5
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.5	7.5	1.5	1.5	.0	12.0	.0	. 1	5.8	2.3	.0	.0	8.3

			FEBRU
PERIOD: (DVER-ALL)	1963-1969	

AREA 0020 BARROW ISLAND 19.95 114.5E

					TABLE	18	(CONT)				AKEA	U
PCT	FREO	0F	WIND	SPEED	(KTS)	AND	DIRECTION	VERSUS	SEA	HEIGHTS	(FT)

				P (T FREQ C	F WIND	SPEED	(KTS) AND DIRE	CIIUN	ERSUS S	EA HEIG	HTS (FT)			
				S							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.5	.0	.0	.0	.0	. 5	.5	1.1	.0	.0	.0	.0	1.6	
1-2	.0	2.0	.4	.0	.0	.0	2.4	• 0	4.6	. 8	.0	.0	.0	5.4	
3-4	.0	1.5	3.5	.5	• 0	.0	5.6	• 0	1.9	7.9	.0	.0	.0	9.8	
5-6	.0	. 4	4.3	. 5	• 0	.0	5.3	.0	. 1	3.8	. 5	.0	.0	4.5	
7	.0	.0	.4	.0	.0	.0	. 4	.0	.0	1.8	.7	.0	.0	2.4	
8-9	.0	.0	1.5	.5	.0	• 0	2.0	.0	.0	. 1	.0	.0	.0	. 1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	
26-32	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TET PCT	.0	4.5	10.2	1.6	• 0	.0	16.3	.5	7.7	14.4	1.2	.0	.0	23.9	
				W			2.02				NW		2.2		TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	1.9	.0	.0	• 0	• 0	1.9	.5	1.0	.0	.0	.0	.0	1.5	
1-2	.0	5.3	1.0	.0	• 0	• 0	6.3	.0	3.3	.0	.0	.0	.0	3.3	
3-4	.0	2.6	1.1	.5	• 0	.0	4.2	•0	1.6	.0	.0	.0	.0	1.6	
5-6	.0	. 5	1.6	.0	• 0	• 0	2.2	•0	1.1	. 5	.0	. 0	.0	1.6	
7	.0	.0	.0	.4	• 0	.0	. 4	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	. 1	.0	. 1	
10-11	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	10.3	3.7	1.0	.0	.0	14.9	.5	6.9	.5	.0	.1	.0	8.2	95.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.5	5.4	.0	.0	.0	.0	11.9	OBS
1-2	. 5	18.9	4.9	.0	.0	.0	24.3	
3-4	.0	8.1	18.4	1.1	.0	.0	27.6	
5-6	.0	4.3	15.7	1.1	.0	.0	21.1	
7	.0	.0	3.8	4.3	.0	.0	8.1	
8-9	.0	.0	1.6	1.6	1.1	.0	4.3	
10-11	.0	.0	.0	.5	.5	.0	1.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	. 5	.0	. 5	
17-19	.0	.0	.0	. 5	.5	.0	1.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								185
TOT PCT	7.0	30.8	44.3	9.2	2.7	.0	100.0	

PERIOD: (DVER-ALL) 1950-1969 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

(SEC)	< 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	3.1	9.9	11.7	2.7	3.6	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	72	3
6-7	.0	. 9	5.8	10.8	4.9	1.8	.9	. 9	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	61	6
8-9	.0	1.3	1.8	4.5	4.5	4.5	4.0	.0	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	52	8
10-11	.0	.0	.0	1.3	1.8	. 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	7
12-13	.0	.0	.4	.9	.0	.0	.0	.0	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
>13	.0	.0	.0	.0	. 4	.0	.0	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	9
INDET	2.2	. 4	1.8	2.7	1.3	. 9	. 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	4
TOTAL	12	28	48	51	37	21	13	3	7	3	0	0	0	0	0	0	0	0	0	223	5
PCT	5.4	12.5	21.5	22.9	16.6	9.4	5.8	1.3	3.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1924-1969		AREA 0020 BARROW ISLA
(OVER-ALL) 1857-1969	TABLE 1	19.95 114.6E

				P	ERCEN.	T FREQU	ENCY C	F WEATHER	DCCURRENCE	BY WI	ND DIR	ECTION			
			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	2.5	13.7	.0	.0	.0	.0	.0	16.1	1.9	2.8	.0	.0	.0	.0	82.0
E SE	3.2	5.3	4.6	.0	.0	.0	.0	12.6	2.6	2.6	.0	.0	2.0	.0	82.1
S	.0	.0	.4	.0	.0	.0	.0	1.3	.6	2.7	. O	.0	3.0	.0	94.1
W NW	.7	.0	.0	.0	.0	.0	.0	.7	1.0	1.1	.0	.0	2.2	.0	96.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	4.2	.0	4.2	.0	79.2
CALM	4.2	•0	.0	•0	•0	• 0	-0	4.2				.0			
TOT PCT	589	1.9	. 8	.0	•0	•0	-0	4.1	.7	2.4	.3	•0	2.5	.0	90.2

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00203	.9	2.7	.4	.0	.0	.0	.0	4.0	.4	. 4	.4	.0	2.2		92.9
60390	1.0	1.0	2.0	.0	• 0	.0	.0	4.0	2.0	1.0	.0	.0	4.0		90.1
12815	1.1	1.7	.6	.0	.0	.0	.0	3.4	.6	4.0	.0	.0	2.8	.0	89.3
18621	3.9	1.0	1.0	.0	.0	.0	-0	5.9	.0	5.9	1.0	.0	1.0	.0	86.3
TOT PCT TOT DBS:	1.5	1.8	.8	.0	.0	.0	•0	4.1	. 7	2.5	. 3	.0	2.5	.0	90.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	DTS)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N	.7	2.5	1.8	.2	.4	.0		5.5	11.4	5.0	3.1	4.8	13.3	8.9	4.2	.6	3.5	
NE	. 9	2.3	1.2	. 4	. 1	.0		4.9	9.9	4.3	6.5	9.1	7.8	4.7	3.6	2.4	1.7	
E	1.4	3.2	1.2	.5	. 1	.0		6.4	8.9	7.2	8.8	8.8	5.5	4.0	6.0	6.9	4.1	
SÉ	1.0	5.8		. 8		.0		12.4	11.6	19.4	15.2	11.6	8.6	6.3	9.2	11.4	11.5	
5	1.9	14.5	9.7	2.1	. 1	.0		28.2	10.9	32.7	32.0	21.0	15.6	29.1	25.9	26.2	29.1	
SW	1.8	10.7	7.2	.5		• 0		20.2	9.9	16.7	19.5	19.3	15.4	21.8	26.2	22.3	22.7	
W	1.7	6.5	4.4	. 2		.0		12.8	8.9	10.0	9.1	18.2	17.2	15.0	10.7	13.3	14.0	
NW	1.2	3.4	1.5	. 2		.0		6.5	9.1	2.8	5.1	2.6	14.1	7.9	13.1	3.6	9.9	
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.0							3.0	.0	1.8	.7	4.5	1.6	2.4	1.2	13.3	3.5	
TOT UBS	134	481	309	48	12	G	984		9.9	220	151		64		84	83	85	
TOT PCT	13.6	48.9	31.4	4.9		.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

					TAB	LE 3A						
WNO DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-46	41+	TOTAL	PCT	MEAN SPO	00	H0U6	12 15	18
N NE E	2.5	1.8	.7	.5	.1		5.5	11.4	4.2 5.2 7.8	8.4 8.6 7.4	7.5 4.4 4.5	2.1
SE S	3.3 3.6 8.5 6.1	2.1 6.3 13.9 11.7	1.8	.6	.0		12.4	11.6	17.7 32.4 17.9	10.4	7.1 28.2 23.0	11.5
NW VAR	5.5	5.8	1.4	.1	.0		12.8	8.9 9.1	9.6	17.8	13.8	13.6
TOT DES	3.0 376 38.2	451	132	21	.4	984	3.0	9.9	1.3 371 100.0	3.3 152 100.0	2.1 292 100.0	8.3 169 100.0

м	A	D	^	ы	

PERIOD: (PRIMARY) 1924-1969 (DVER-ALL) 1857-1969

TABLE 4

AREA 0020 BARROW ISLAND 19.95 114.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	2	34-47	48+	MEAN	FREQ	DBS
00603	1.3	13.5	48.2	31.5	4.3	1.1	.0		100.0	371
90300	3.3	9.9	45.4	35.5	5.3	. 7	.0	10.0	100.0	152
12615	2.1	8.9	51.4	31.2	5.5	1.0	.0	10.0	100.0	292
19621	8.3	7.7	49.1	27.8	4.7	2.4	.0	9.6	100.0	169
TOT	30	104	481	309	48	12	0	9.9		964
PCT	4.0	10.6	48.9	31.4	4.9	1.2	.0		100.0	

					OFF .														
	,	CT FRE			LOUD A		(EIGHTHS)		,					CEILIN NH <5/					
w	ND DIR	0-2	3-4	5-7	3 & 085Ch	TOTAL	CLOUD COVER	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
	N	3.3	.5	1.1	.6		2.2	.0	.0	.0	.0	. 8	.0	. 3	.0	.0	.0	4.9	
	NE	4.1		1.0	. 4		2.5	.0	.0	.0	. 3	. 3	. 2	.0	. 0	.0	.0	4.8	
	6	3.2		1.5	2.0		4.2	.0	.0	.0	. 3	1.1	1.1	. 3	.0	.0	.0	5.0	
	6.5	3.7	1.1		2.5		3.3	.0	.0	.0	. 3	. 9	1.3	.0	. 4	.0	.3	10.7	
	51	1.2	1.7	2.5	2.5			.0	.0	.0	.0	. 2	. 6	.0	. 2	.0	.5	22.5	
	5	17.8	3.9	1.0			1.7		.0	.3	.0	.3	1.4	.0	.0	.0	. 2	15.7	
	5 W	11.7	2.0	4.1	. 0		2.0	.0						.0	.0	.0	.0	12.4	
	W	7.6	2.5	3.3	,6		2.7	.0	.0	.0	1.0	.6	.0				.0	3.8	
	NW	3.1	. 4	1.0	. 1		2.1	.0	.0	.0	.0	. 8	.0	.0	.0	.0			
	VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	CALM	4.5	.3	1.3	.0		1.7	.0	.0	.0	.0	. 3	.0	.0	.0	.0	. 3	5.5	
						311	2.4	0	0	1	6	17	14	2	2	0	4	265	311
	OT OBC		39	55	21		2.4	.0	.0	. 3	1.9	5.5	4.5	.6	.6	.0	1.3	85.2	100.0
T	UT PCT	63.0	12.5	17.7	6.9	100.0		• 47	• 0							-			

TABLE 7

CUMULATIVE PCT	FREQ	OF	SIMUL	TANEO	15	occ	URRENCE
UF CEILING HE	IGHT	(NH	>4/8	1 AND	VS	BY	(MM)

					VSBY (NM	1)			
C	FILING	- DR	- DR	= DR	= DR	= DR	= DR	• DR	■ DR
	FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• OR	>6500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	>5000	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9
	>3500	1.9	1.9	2.5	2.5	2.5	2.5	2.5	2.5
	>2000	5.3	6.3	6.9	6.9	6.9	6.9	6.9	6.9
	>1000	10.4	11.9	12.6	12.6	12.6	12,6	12.6	12.6
	>600	11.6	14.2	15.1	15.1	15.1	15.1	15.1	15.1
	>300	11.9	14.5	15.4	15.4	15.4	15.4	15.4	15.4
	>150	11.9	14.5	15.4	15.4	15.4	15.4	15.4	15.4
• DR		11.9	14.5	15.4	15.4	15.4	15.4	15.4	15.4
- 04	TOTAL	38	46	49	49	49	49	49	49

TOTAL NUMBER OF DBS: 318 PCT FRED NH 45/81 84.6

TABLE 74

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCO 08S 31.9 27.7 13.4 6.7 3.3 4.0 3.3 3.3 6.4 .0 329

MARCH

PERIOD: (PRIMARY) 1924-1969 AREA 0020 BARROW ISLAND
(UVER-ALL) 1857-1969 TABLE 8 19.95 114.6E

		Р	ERCENT		OF WIN	D DIRE	CTION TH VAR	VS DCC	JRRENC ALUES	E OR N	IBILIT	URRENC	E DF
VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	• 0	. 2	.0	.0	.0	.0	.0	.0	.0	.0	. 2	
	PCP	.0	.2	.0	*	. 1	.0	.0	.0	.0	.0	.3	
2<5	NO PCP	. 3	. 2	.0	. 2	.7	1.2	. 4	.0	. 0	.0	3.1	
	TOT %	. 3	. 4	.0	. 3	. 8	1 - 2	. 4	.0	.0	.0	3.4	
	PCP	1.1	.4	.5	.7	.0	.3	.1	.0	.0	.2	3.2	
5<10	NO PCP	. 9	1.1	1.0	1.2	4.9	2.8	1.6	. 4	.0	. 3	14.3	
	TOT %	2.0	1.5	1.5	1.9	4.9	3.1	1.7	. 4	.0	.5	17.5	
	PCP	.0	• 0	. 3	.0	.0	.0	.0	.0	.0	.0	.3	
10+	NO PCP	4 5	3.9	4.6	8.4	24.3	15.8	9.7	3.7	.0	3.6	78.6	
	TOT %	475	3.9	4.9	6.4	24.3	15.8	9.7	3.7	.0	3.6	78.9	
	TOT DBS												589
	TOT PCT	6.8	6.0	6.4	10.6	30.0	20.1	11.8	4.2	.0	4.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY SPD KTS 0-3 4-10 11-21 22+ TOT % SE S SW NW VAR CALM PCT TOTAL VSBY E .0 .0 .0 <1/2 .0 1/2<1 4-10 11-21 22+ TOT % .0 .0 .0 .0 .00.00 .0 .0 .0 .2 .2 1.6 .5 1.0 3.2 .0 0-3 4-10 11-21 22+ TOT % .0 .0 .0 .6.0 .0 .1 .0 .0 .0 .2 .1 .7 .9 .4 .2 .1 .7 .0 .1 .0 .0 1<2 .0 0-3 4-10 11-21 22+ TOT % .0000 .6 1.1 .2 .8 2.8 .0 .0000 .0 .2 .5 * .0 .0 .0 .7 .6 .2 .4 .4 3.3 13.6 10.8 1.9 .4 29.7 5<10 0-3 4-10 11-21 .1 .8 .7 .7 2.5 2.8 * 5.7 1.7 1.0 .5 3.9 .00000 22+ TOT % 2.6 8.9 31.2 21.8 2.0 2.6 63.9 0-3 4-10 11-21 22+ TOT % .5 1.6 1.2 .0 3.3 .6 1.4 .74 1.0 2.9 9.6 3.3 7.3 .1 1.2 6.7 19.1 1.0 6.9 4.7 .4 12.9 1.4 4.5 3.2 .0 9.2 .8 2.4 .5 .1 3.8 .0 1.9 .9 .2 3.5 2.6 TOT DAS 835 6.0 5.3 5.5 10.7 28.1 20.4 14.7 6.3 .0 3.0 100.0

TABLE 10

AREA 0020 BARROW ISLAND 19.95 114.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.0	.0	•0	2.2	2.2	4.5	.0	1.1	.0	.0	10.1	89.9	89
90300	.0	.0	.0	1.4	4.1	4.1	1.4	.0	.0	1.4	12.3	87.7	73
12815	.0	.0	1.2	.0	7.3	6.1	1.2	.0	.0	1.2	17.1	82.9	82
18821	• 0	.0	•0	6.4	9.0	2.6	.0	1.3	.0	2.5	21.8	78.2	78
TOT PCT	.0	.0	.3	2.5	18	4.3	.6	.6	.0	1.2	15.2	273 84.8	322 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	Y (NM)	BY HOUR		CUMULAT	CEILIN	G HGT	OF RAN	GES DF NH >4/8	VSBY (NM)	AND/DR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS	
00603	.6	.3	3.2	2.2	27.1	66.6	314	00803	.0	.0	3.4	6.7	89.9	89	
06509	.0	.0	2.9	. 7	24.6	71.7	138	06609	.0	.0	1.4	11.0	87.7	73	
12815	.0	.7	4.9	4.9	36.2	53.4	268	12815	.0	1.3	1.3	16.3	82.5	80	
18621	.0	•0	1.4	1.4	30.6	66.7	147	18821	.0	.0	7.9	14.5	77.6	76	
TOT	.2	.3	3.3	23	261 30.1	63.3	867 100.0	TOT	0	.3	11	38	269 84.6	318	

TABLE 13

TABLE

															140					
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP				PERC	ENT FR	REQUENC	YOF	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	s	SW	W	NW	VAR	CALM
90/94	.0	.0	.0		1.3	.9	.0	.0	15	2.8	.0	. 4	.3	.3	.7	.4	. 3	. 4	.0	.0
85/89	.0	.0	.6	2.1	6.1	10.6	6.6	1.5	145	27.5	1.7	2.0	2.2	3.6	4.1	3.8	7.6	1.9	.0	.6
30/94	.0	. 2	. 4	1.5	6.6	16.9	19.4	7.8	278	52.8	2.8	3.0	3.5	6.8	10.2	11.1	9.1	4.4	.0	1.9
75/79	.0	.0	.0	. 2	. 9	7.4	4.7	3.0	86	16.3	.7	. 7	. 7	2.1	7.9	4.0	. 2	.0	.0	.0
70/74	.0	.0	.0	0	.2	.0	. 4	• C	3	.6	.0	.0	.0	. 2	. 3		.0	.0	.0	.0
TOTAL	0	1	5	23	80	189	164	65	527	100.0										
PCT	.0	.?	. 9	4.4	15.2	35.9	31.1	12.3			5.1	6.2	6.6	13.0	23.2	19.4	17.3	6.7	.0	2.5

TAPLE 15

	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TEM	P (DE	GF) B	Y HOUR	100		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (CMT)	мдх	99%	95%	50%	5%	14	MIN	MEAN	TOTAL	40	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	91	91	90	83	77 79	75 76	72 71	83.2	358 152		£0300	.0	8.5	16.0	35.6	27.7	12.2	76 75	188
12615	91 91	90	86	82	78 77	75 74	72	82.4	287 167		12615	.0	3.0	13.1	35.1	35.1	13.7	79	168
TOT	94	90	88	383	77	74	71	82.8	964		TOT	0	29	82	199	175	71	78	556

MARCH

PERIOD: (PRIMARY) 1924-1969 (DVER-ALL) 1857-1969

TABLE 17

AREA 0020 BARROW ISLAND 19.95 114.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE DCCURKENCE OF FDG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

13	wire-	JLA	i Cin L							
AIR-SEA	69	73	77	81	85	89	TOT	W	WO	
TMP DIF	72	76	80	84	8.8	92		FOG	FUG	
14/16	.0	.0	.0	.0	, 3	.0	1	.0	.3	
11/13	.0	.0	.0	. 3	, 5	.0	3	.0	. 8	
9/10	.0	.0	.0	. 3	.0	.0	1	.0	. 3	
7/8	.0	. 3	. 5	. 3	.0	1.3	9	.0	2.4	
6	.0	.0	.0	.3	.0	. 5	3	.0	. 8	
5	.0	.0	. 8	. 8	1.8	. 5	15	.0	3.9	
4	.3	.0	. 3	1.3	2.1	. 8	18	.0	4.7	
3	.0	.0	.0	1.6	3.7	. 3	21	.0	3.9 4.7 5.5	
2	.0	.0	1.6	2.1	2.9	. 8	28	.0	7.3	
1	.0	.0	1.6	5.0	3.9	.0	40	.0	10.5	
4 3 2 1 0	.0	.0	1.3	9.2	5,5	.5	63	.0	16.5	
-1	.0	.0	1.6	8.9	2.4	.0	49	.0	12.9	
-2	.3	.0	2.9	10.0	2.1	. 3	59	. 3	15.2	
-3	.0	. 3	4.2	3.7	.3	.0	32	.0	8.4	
-4	.0	.0	1.8	2.4	.0	.0	16	.0	4.2	
-5	.0	. 5	1.6	. 8	.0	.0	11	.0	2.9	
-6	.0	. 3	.3	.5	.0	.0	4	.0	1.0	
-7/-8	.0	.0	1.6	.0	.0	.0	6 2	.0	1.6	
-9/-10		. 3	. 3	.0	.0	.0	2	.0	. 5	
TOTAL	.0		77		97			1	380	
		6		180		19	381			
PCT	. 5	1.6	20.2	47.2	25.5	5.0	100.0	. 3	99.7	

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	27-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.6	.0	.0	• 0	.0	1.6	• 1	. 2	.0	.0	.0	.0	. 4
1-2	.0	.5	.0	.0	.0	.0	.5	.0	1.5	.0	.0	.0	.0	1.5
3-4	.0	. 5	1.0	.0	.0	.0	1.5	.0	1.1	1.0	.0	.0	.0	2.1
5-6	.0	.0	. 5	.0	.0	.0	. 5	.0	.0	1.0	.0	.0	.0	1.0
7	.0	.0	.5	.0	• 0	.0	. 5	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.5	.0	• 0	.0	.5	.0	.0	. 1	.5	.0	.0	.6
10-11	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 1	.0	. 1
17-19	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.6	3.5	.0	• 0	.0	6.1	.1	2.9	2.1	.5	.1	.0	5.7
				E					4-10	11-21	22-33			PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3				34-47	48+	
<1	. 4	. 9	.0	.0	.0	.0	1.2	.0	1.5	.0	.0	.0	.0	1.5
1-2	.4	4.5	.0	.0	.0	.0	4.9	• 1	4.5	3.1	.0	.0	.0	3.9
3-4	.0	. 4	.5	.0	.0	• 0	.9	.0	.0		.0		.0	
7	.0	.0	.5	.0	.0	.0	.5	.0	.1	1.0	.0	.0	.0	1.0
8-9	.0	.0	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.5	.0	.0	.5	.0	.0	.0	.5	.0	.0	.5
13-16	.0	.0	.0	1.0	.4	.0	1.4	.0	.0	.0	.5	.5	.0	1.0
7-19	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40			.0	:0	.0	.0		.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+					.0			.0	.0	.0				
TOT PCT	.7	5.7	1.4	2.0	.4	.0	10.2	:1	6.8	6.2	1.0	.5	.0	14.7
TOT POT	. /	5.1	1.4	2.0		.0	10.2	• 1	0.0	9.5	1.0		. 0	14.

м	Δ	R	C	H

PERIOD: (OVEK-ALL) 1963-1969

TABLE 18 (CONT)

AREA 0020 BARROW ISLAND 19.95 114.6E

CT	FREO	DE	WIND	SPEED	(KTS)	AND I	DIRECTION	VERSUS	SEA	HEIGHTS	(FT)

				PC	T FREO	OF WIND	SPEED	(KTS)	AND DIRE	CTION !	ERSUS S	EA HEIG	HTS (FT			
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.4	2.5	.0	.0	.0	.0	2.9		.2	1.5	.0	.0	.0	.0	1.7	
1-2	. 5	5.5	.4	.0	.0	.0	6.3		.0	5.5	1.6	.0	.0	.0	7.1	
3-4	.0	3.1	4.4	.0	.0	.0	7.5		.0	. 2	1.5	.0	.0	.0	1.7	
5-6	.0	.5	4.4	.5	.0	.0	5.3		.0	.0	4.1	.0	.0	.0	4.1	
7	.0	. 4	.9	.0	.0	.0	1.2		.0	.0	1.1	.0	.0	.0	1,1	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	. 0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-52	.0	.0	.0	.0	.0	• 0	.0		• 0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	• 0	• 0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	• 0	.0		.0	7.2	.0	.0	.0	.0		
TET PET	.9	11.9	10.0	.5	.0	• 0	23.3		.2	1.2	8.3	.0	.0	.0	15.8	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	27-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	1.2	2.5	.0	.0	.0	.0	3.7		• 1	. 2	.0	.0	.0	.0	. 4	
1-2	.0	2.9	1.1	.0	.0	.0	4.0		.0	1.6	.7	.0	.0	.0	2.4	
3-4	.0	2.4	3.0	.0	.0	.0	5.3		.0	.0	.0	.5	.0	.0	.5	
5-6	.0	. 5	.5	.0	• 0	.0	1.0		.0	. 5	.0	.0	.0	.0	.5	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
70-22	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	• 0	.0		• 0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	• 0	• 0		.0	.0	.0	.0	.0	.0	.0	
71-96	.0	.0	.0	.0	• 0,	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	•0	• 0	.0		•0	.0	.0	.0	.0	.0	2.0	00 -
TOT PCT	1.2	8.2	4.6	.0	• 0	•0	14.1		• 1	2.4	.7	. 5	.0	.0	3.7	93.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

	. 1.00	3,550	14121	VJ JKM	HE LONI	** **			
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT	
<1	10.2	10.7	.0	.0	.0	.0	21.0	005	
1-2	1.0	25.9	5.4	.0	.0	.0	32.2		
3-4	.0	8.8	14.1	. 5	.0	.0	23.4		
5-6	.0	1.5	11.7	. 5	.0	.0	13.7		
7	.0	.5	2.9	.0	.0	.0	3.4		
8-9	.0	.0	1.0	1.0	.0	.0	2.0		
10-11	.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	1.0	1.0	.0	.0	2.0		
13-16	.0	.0	.0	1.5	1.0	.0	2.4		
17-19	.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	• 0	.0	.0		.0	.0		
87+	+ 0	.0	.0	.0	.0	.0	.0		
								205	
TOT PCT	11.2	47.3	36.1	4.4	1.0	.0	100.0		

PERIOD: (NVER-ALL) 1949-1969 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

DERICO	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
(SFC)																					HGT
<6	4.7	16.7	10.3	5.6	1.3	1.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	95	3
6-7	1.3	1.7	6.8	9.4	4.3	.9	• 0	.0	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	5
8-9	.0	.0	1.3		4.7	2.1	.0	.4	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	39	7
10-11	.0	.0	. 4	2.1	2.1	. 4	.0	.9	1.3	.0	.0	.0	.0	.0	.0	.0	.0	- 0	.0	17	8
17-13	.0	.0	. 4	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
513	.0	.0	.0	. 4	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
INDET	4.7	.0	.0	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	2
TOTAL	25	43	45	64	33	11	0	5	8	0	0	0	0	0	0	0	0	0	0	234	4
PCT	10.7	18.4	19.2	27.4	14.1	4.7	.0	2.1	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

٨	P	0	1	٠

PERIOD: (PRIMARY) 1923-1969	740.5	AREA 0020 BARROW ISL 20.25 114.6
(DVER-ALL) 1857-1969	TABLE 1	20.23 114.0
	PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIN	D DIRECTION

			P	RECIPI	TATION	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRA BLWG D BLWG S	IST SI
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
NE	.0	2.5	2.5	.0	.0	.0	.0	5.1	.0	2.5		.0	.0		
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4		
ŠE	.9	1.8	.0	.0	.0	.0	.0	2.7	.0	. 2	.0	.0	1.8		
3.5	.0	.3	.0	.0	.0	.0	.0	.3	.0	.4	.0	.0	. 5		
Sw	.0	.4	.8	.0	.0	.0	.0	1.2	.0	.0	.0	.0	. 8		
		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
W	.0	.0	.0	.0	.0	.0	.0	.0	4.6	.0	.0	.0	.0		
NW					.0	.0	.0	.0	.0	.0	.0	.0	.0	,	0 .
VAR	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0		0 100.
CALM	.0	.0	.0	.0	• 0	.0	.0	.0	• •		••				
TOT PCT	.2	.6	. 3	.0	.0	.0	.0	1.1	. 2	.3	.0	.0	.8		0 97.

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			p	RECIPI	TATIO	TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	nRzL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR.	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	.0	.4 .0 .5	1.0	.0	.0	.0	.0	.8 1.0 .5 4.0	1.0 0 .0	.0 1.1 .0	.0	.0	1.0 1.6		98.8 97.1 96.8 96.0
TOT PCT TOT DBS:	639	.8	.3	•0	•0	.0	.0	1.3	.2	.3	.0	۰.	.8	.0	97.5

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				PERC	ENTAGE	KENUE	NC1 UF	H 1110 0									
		WI	NO SPE	ED (KN	DTSI									(GMT)			
WND DIR	0-3				34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	1.3	1.8	.4	. 1	.0	.0		3.7	6.1	1.4	3.6		6.1	4.7	5.6	2.9	3.8
NE	1.5	3.7	1.4			.0		6.9	8.1	4.1	10.0	4.8	15.7	5.7	7.8		5.1
NE		6.1	3.9			.0		12.1	9.8	12.4	12.9	21.0	14.1	9.0	11.1	9.5	10.4
E	1.8							19.3	9.4	22.5	25.6	14.5	12.1	14.8	15.0	17.2	28.5
SE	2.3	10.8		.5		.0		28.0	10.8	36.9	27.4	32.7	19.2	23.7	21.1	29.6	27.5
S	2.0	13.8	11.4	. 7		.0							15.2	26.5	18.3		15.1
Sw	2.5	11.8	3.9	.2	.0	.0		18.5	8.2	16.3	13.1	14.4					2.4
W	. 5	3.1	. 9	. 1	.0	.0		4.6	7.7	2.3	2.8		7.6	6.4	8.3	5.7	
NW	1.0	1.9				.0		3.3	6.4	1.3	. 8	3.5	7.1	5.5	5.0	2.6	2.4
								.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0
VAR	.0	.0	• 0	• 0	.0	.0		3.7	.0	2.8	3.9		2.0	3.4	7.8	5.7	3.8
CALM	3.7							3.1		254	180		99	265	90	87	105
TOT DBS	195	625	329	24	3	0	1176		8.9							10.00	-
TOT PCT	16.6	53.1	28.0	2.0	. 3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

5					TAB	LE 3A						
WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL DBS	PCT	MEAN SPD	00	06 09	12 15	18 21
N	2.6	.7	.3	.0	.0		3.7	6.1	2,3	4.7	4.9	3.4
NE	3.5	2.8	.6	.0	*		6.9	8.1	6.6	10.4	6.3	5.4
E	4.1	5.7	2.1	. 1	*		12.1	9.8	12.6	17.5	9.6	10.0
SE	6.7	10.1	2.4		.0		19.3	9.4	23.8	13.3	14.9	23.4
S	7.5	15.2	5.3		.0		28.0	10.8	32.9	25.8	23.0	28.5
SW	7.9	9.1	1.4		.0		18.5	8.2	15.0	15.3	24.5	18.3
W	2.6	1.6	.4	.0	.0		4.6	7.7	2,5	5.7	6.9	3.9
NW	2.3	.8	.3	.0	.0		3.3	6.4	1.1	5.3	5.5	2.5
			.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0				3.7		3.2	2.1	4.5	4.7
CALM	3.7			3	,	1176		8.9	434	193	356	193
TOT DES	481	541	150	.3	.1		100.0			100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1923-1969 (DVER-ALL) 1857-1969

TABLE 4

AREA 0020 BARROW ISLAND 20.25 114.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	#IND 11-21	SPEFD (KNOTS) 34-47	48+	MEAN	PCT	DBS
00603 06609 12615 18621 TOT	3.2 2.1 4.5 4.7	18.4 6.7 9.8 12.4 152	50.0 49.2 61.8 48.2 625	26.5 38.9 22.8 30.1 329	1.6 2.6 1.1 4.1 24	.2 .5 .0 .5 .3	.0000	10.5	100.0 100.0 100.0	434 193 356 193 1176
7.70	2.7	12.9	53.1	28.0	2.0	. 3	.0		100.0	

				ADLE 9														
P	CT FRE			LOUD A		EIGHTHS)		,	PERCEN	TAGE F	REQUEN CURREN	CY DF	CEILIN NH <5/	G HEIG B BY W	HTS (F	RECTIO	4/8) N	
WND DIR	0~2	3-4	5-7	8 & 0850n	TOTAL	MEAN CLUUU CDVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH C5/8 ANY HGT	
			.0	.0		.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.)	2.7	
N	2.4	. 3				1.5	.0	.0	.0	. 0	. 3	. 4	.0	.0	.0	.0	3.6	
NE	3.5	.0	. 9					.0	.0	. 3	.0	.3	.0	.0	.0	.0	12.2	
E	8.4	1.3	3.0	. 0		2.3	.0			.0		.3	.0	. 3	.0	.0	13.7	
SE	10.2	1.7	2.1	. 4		2.0	.0	.0	.0		• 1				.0	. 3	27.1	
•	19.6	4.5	6.0	1.9		2.4	.0	.0	.0	1.0	1.9	1.3	.0	. 3				
e H			4.2	. 6		2.3	.0	.0	.0	. 1	1.1	1.1	.0	.0	.0		15.8	
SW	11.8	1.6				2.8	.0	.0	.0	.0	. 3	. 3	.0	.0	.0	. 3	4.8	
	3.3	1.0	1.1	. 3			.0	.0	.0	.3	.0	. 4	.0	.0	.0	.0	4.5	
NW	2.1	1.0	1.8	. 3		3.4			.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0		.0	.0	.0						.0	.0	7	3.5	
CALM	2.8	.0	1.4	. 3		2.5	.0	.0	.0	.0	. 3	.0	.0	• 0	.0	• ;	252	287
TOT OBS	184	33	59	11	287	2.3	0	0	0	5	12	12	0	2	0	4		
TOT PCT	66 1	11.5	20.6	3.8	100.0		.0	.0	.0	1.7	4.2	4.2	.0	. 7	.0	1.4	87.8	100.0

TABLE 7

	CUM	ULATIVE F CEILIN	PCT FREQ G HEIGHT	OF SIMU	LTANEOUS 8) AND V	DCCURRE	ENCE)	
				VSBY (NM)			
CFILING	 OR 	• DR	= OR	= OR	= DR	■ DR	. DR	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
■ DR >5000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
■ DR >3500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
■ DR >2000	6.5	6.8	6.8	6.8	6.8	6.8	6.8	6.8
# DR >1000	9.6	10.6	10.9	10.9	10.9	10.9	10.9	10.9
■ DR >600	10.6	12.3	12.6	12.6	12.6	12.6	12.6	12.6
• DR >300	10.6	12.3	12.6	12.6	12.6	12.6	12.6	12.6
			12.6	12.6	12.6	12.6	12.6	12.6
■ DR >150	10.6	12.3	12.6	12.6	12.6	12,6	12.6	12.6
TOTAL	31	12.3	37	37	37	37	37	37

TOTAL NUMBER OF OBS: 293 PCT FRED NH <5/8: 87.4

TABLE 7A

PERCENTAGE FREE OF LOW CLOUDS (EIGHTHS)

O I 2 3 4 5 6 7 8 085CD OBS 40.1 22.3 13.6 5.5 3.9 3.6 3.2 2.3 5.5 .0 309

								A	PRIL						
PERIOD:	(PRIMARY) 1 (OVER-ALL) 1	923-1969 857-1969						TA	BLE 8				ARE		BARROW 15LANG 20.25 114.65
			PE	RCENT				CTION TH VAR					CURRENC	E OF	
	VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	<1/2	NO PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1<2	NO PCP	.0	.0	.0	. 2	.0	.0	.0	.0	.0	.0	.2		
		TOT %	.0	• 0	.0	. 2	.0	.0	.0	.0	.0	.0	. 2		
		PCP	.0	.0	.0	. 2	.0	.2	.0	.0	.0	.0	.3		
	2<5	NO PCP	. 3	.0	.0		. 6	1.0	. 2	.0	.0	.0	2.7		
		TOT %	. 3	.0	.0	.8	.6	1.2	. 2	.0	.0	.0	3.0		
		PCP	•0	• 2	.0	.0	.1	• 1	.0	.0	.0	.0	.3		
	5<10	NO PCP	. 8	1.4	2.3	3.8	5.1	3.8	1.6	1.2	.0	.6	20.6		
		TOT %	. 9	1.6	2.3	3.8	5.2	3.8	1.6	1.2	.0	.6	20.9		
		PCP	• 0	. 2	.0	. 3	.0	.0	.0	.0	.0	.0	.5		
	10+	NO PCP	1.9	4.6	8.8	12.7	24.9	14.5	3.3	2.3	.0	2.6	75.4		
	•	TOT %	1.9	4.7	8.8	13.0	24.9	14.5	3.3	2.3	.0	2.6	75.9		
		TOT OBS												626	
		TOT PCT	3.0	6.3	11.1	17.7	30.6	19.5	5.0	3.5	.0	3.2	100.0	0,0	

TABLE 9

VSBY (NM)	KTS	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.1	.1	.0	.0	.3	.0	.0	.0		.5	
	11-21	.0	. 1	.1	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT #	.0	. 2	. 2	.0	.0	.3	.0	.0	.0	.0	.6	
	0-3	.0	.0	.0	.0	. (.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	. (.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.1	. 1	.0	. 1	.1	. 1	.0	.1	.5	
1<2	4-10	. 2		.0	.4	. 3	.9	. 1	. 1	.0		2.0	
	11-21	.0	. 1	. 2	.0	. 2	. 4	.0	.0	.0		. 7	
	22+	.0	.0	. 1	.0	.0	.0	.0	.0	.0		.1	
	TOT %	. 2	• 1	.4	.5	. 5	1.4	.2	. 2	.0	.1	3.3	
	0-3	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
2<5	4-10	.0	.0	.0	. 4	. 1	.6	. 1	.0	.0		1.2	
	11-21	.0	.0	.0	. 1	.3	. 1	.0	.0	.0		. 5	
	22+	.0	.0	.0	.0	.1		.0	.0	.0		.1	
	TOT %	. 2	.0	.0	.5	.5	. 8	. 1	.0	.0	.0	2.0	
	0-3	.5	. 8	. 5	. 9	1.0	1.0	.4	. 5	.0	1.9	7.5	
5<10	4-10	1.0	1.7	1.4	2.5	4.0	4.6	1.4	1.2	.0		17.6	
	11-21	.5	1.0	1.1	1.9	3.7	2.2	. 7	. 2	.0		11.2	
	22+	. 1	. 2	.0	. 3	. 4	.2	.1	.0	.0	2011	1.2	
	TOT %	2.0	3.8	3.0	5.6	9.1	7.9	2.6	1.8	.0	1.9	37.6	
	0-3	.9	.9	.9	1.0	1.0	1.6	. 2	.7	.0	1.9	8.9	
10+	4-10	. 9	2.4	4.4	6.4	9.0	6.7	2.1	1.0	.0		33.0	
	11-21	.0	.5	1.2	2.3	7.6	1.8	. 3	.3	.0		14.0	
	22+	.0	.0	.0	.0	.5	. 1	.0	.0	.0		.6	
	TOT %	1.8	3.8	6.5	9.6	18.1	10.2	2.6	2.0	.0	1.9	56.5	
	OT DAS												998
1	OT PCT	4.2	7.8	10.0	16.2	28.1	20.5	5.4	3.9	.0	3.9	100.0	

PERIOD:	(PRIMARY)	1923-1969
	(DUER-ALL)	1857-1969

TABLE 10

AREA 0020 BARROW ISLAND 20.25 114.6E

PERCENT	FREQUENCY	DF	CE	ILI	NG	HFIGHT	S (FEET, NH	>4/81	AND
							BY HOUR		

	GUR SMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
0	0803	• 0	.0	•0	2.8	5.6	5.6	.0	.0	.0	2.8	16.7	83.3	72
C	6609	.0	.0	.0	1.3	5.3	5.3	.0	1.3	.0	.0	13.2	86.8	76
1	2615	.0	.0	•0	1.3	2.6	3.9	.0	1.3	.0	.0	9.1	90.9	77
1	8621	•0	.0	•0	1.3	2.6	3.9	.0	.0	.0	2.6	10.5	89.5	76
	TOT	0	0	0	5	12	4.7	0	.7	.0	1.3	37 12.3	264 87.7	301

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT), BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD		<1000 <5	1000+ 4ND5+	NH <5/8 AND:5+	TOTAL
60300	. 8	.0	2.1	.8	37.1	59.3	363	00603	.0	.0	2.8	14.1	83.1	71
90300	.0	.0	1.3	.0	34.6	64.2	159	90360	.0	.0	1.3	12.0	86.7	75
12615	.6	.0	7.4	4.3	42.0	45.7	324	12615	.0	.0	2.7	8.1	89.2	74
18621	.6	.0	1.2	1.8	37.5	58.9	168	18821	.0	.0	4.1	8.2	87.7	73
TOT	6	0	36 3.5	20	396 38.3	576 55.7	1034	PCT	.0	.0	2.7	31	254 86.7	293

TABLE 13

TABLE 14

	PERCE	ENT FR	EQUENC	Y OF R	ELATIVE	HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.3	.0	.0	.0	.4	.1	.0	6	. 8	.1	. 3	.0	. 1	.0	.1	.1	.0	.0	.0
85/89	.0	.1	. 3	3.1	4.6	6.2	2.7	.9	139	17.8	1.5	1.6	2.1	1.9	3.2	4.2	1.3	1.1	.0	1.0
HO/84	.0	. 1	1.5	4.4	12.9	16.5	15.8	3.2	425	54.5	2.9	5.0	5.9	8.2	11.1	12.0	3.6	2.9	.0	2.9
75/79	.0		. 8			7.8	5.8	3.3	184	23.6	. 4	1.4	1.4	3.9	9.8	4.8	. 7	. 6	.0	. 5
70/74	.0		1.00	.1	.4	.6			21	2.7	.0	. 1	. 2	. 5	1.3	. 5	.0	. 1	.0	.0
65/69	.0	.0	.0	.1	. 1	. 1	. 3	.0	5	.6	• 1	.0	.0	. 3	. 1	.1	.0	. 0	.0	.0
INTAL	0		21	75	170	247	199	62	780	100.0										
PCT	.0		2.7	9.6	21.8	31.7	25.5	7.9			5.0	8.4	9.6	14.8	25.5	21.8	5.7	4.7	.0	4.5

TARLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	4P (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUS	R
HOUR (GMT)	мдх	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	93	91	88 88	82	75	70	67	81.6	427	60300	.0	16.2	21.1	32.0	21.1	9.6	72	303
12615	88	87	86 84	81	77	74	68	81.3	359	18621	.0	8.2	20.4	31.2	27.7	8.8	74	260 134
TOT	93	89	87	81	75	70	67	81.4	1163	TOT	0	106	174	261	208	68	74	817

APRIL

PERIOD: (PRIMARY) 1923-1969 (DVER-ALL) 1857-1969

TABLE 17

AREA 0020 BARROW ISLAND 20,25 114.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	69	73	77	81	85	89	TOT	w	WD
TMP DIF	72	76	80	84	88	92		FOG	FDC
9/10	.0	. 3	.0	.0	.0	.0	1	.0	.3
7/8	.0	.0	.0	1.1	.0	.6	6 7	.0	1.7
6	.0	.0	.0	.0	1.4	.6	7	.0	2.0
6	.0	. 0	.0	. 8	1.4	.0	8	.0	2.2
4	.0	.0	.0	. 8	1.4	.0	8	.0	1.7
3 2	.0	.0	.3	1.7	3.1	.0	12	.0	3.4
2	.0	.0		3.6	3.1	. 3	26	.0	7.3
1 0 -1 -2 -3 -4	.0	.0	.6	4.5	2.5	.0	27	.0	7.6
0	. 6	. 8	2.5	11.2	2.2	.0	62	.0	17.4
-1	.0	. 3	2.2	10.9	1.1	.0	52	.0	14.6
-2	.0	. 6	5.0	7.8	. 3	.0	49	.0	13.7
-3	.0	1.4	4.2	5.0	. 3	.0	39	.0	10.9
-4	.0	.6	6.7	1.7	.0	.0	32	.0	9.0
-5	.0	. 3	3.6	.6	.0	.0	16	.0	4.5
-6	.0	. 8	1.1	.6	.0	.0	9	.0	2.5
-7/-8	.0	. 5	. 6	.0	.0	.0	4	.0	1.1
-9/-10	.3	.0	.0	.0	51	.0	4	.0	. 3
TOTAL.	3		98		51			0	357
		20		180		5	357		
PCT	. 8	5.5	27.5	50.4	14.3	1.4	100.0		100.0

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

61	PCT .8 .3 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
1-2	1.23.3
3-4	3.3
5-6	000000000000000000000000000000000000000
7 0 0 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000
0-9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000
10-11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000
12	.0
13-16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0
17-19	000000000000000000000000000000000000000
20-22	.0
73-25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0
26-32	.0
33-40	.0
41-48 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0
49-60	.0
### ### ### ### ### ### ### ### ### ##	.0
71-86 10 10 10 10 10 10 10 10 10 10 10 10 10	.0
874 10 10 10 10 10 10 10 10 10 10 10 10 10	.0
TOT PCT .0 2.2 .5 .0 .0 .0 2.7 .0 3.7 1.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
HGT 1-3 4-10 11-21 22-33 34-47 4R+ PCT 1-3 4-10 11-21 22-33 34-47 4R+ C1 .5 .4 .0 .0 .0 .0 .0 .9 1.0 1.6 .0 .0 .0 .0 .0 .0 .0 .1-2 .0 5.5 .0 .0 .0 .0 .0 5.5 .0 4.1 1.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	5.2
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ C1 .5 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2.0
<1	
1-2 0 5.5 0 0 0 0 5.5 0 0 0 0 0 5.5 0 0 0 0	PCT
3-4 .0 2.4 .4 .0 .0 .0 .0 2.7 .0 2.9 .8 .0 .0 .0 .0 5-6 .0 .5 1.4 .0 .0 .0 .0 2.0 .0 .1 .4 .0 .0 .0 .0 .0 .0 .7 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2.6
5-6 .0 .5 1.4 .0 .0 .0 .2.0 .0 .1 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	5.6
7 .0 .4 1.0 .0 .0 .0 1.4 .0 .7 .3 .0 .0 .0 .0 .0 .10 .10 .10 .10 .10 .10	3.7
#-9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.5
10-11 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .0 .0 .0 .0 .0 .12 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	. 9
12 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0
20. 10 10 10 10 10 10 10	. 5
	.0
	.0
	.0
	.0
	.0
	.0
	.0
	.0
	.0
	.0
	.0
674 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0
TOT PCT .5 9.2 2.9 .0 .0 .0 12.0 1.0 9.3 3.5 .0 .0 .0	13.9

									APRIL							
PERIOD:	COVE	(-ALL)	1963-1	969				TABLE	18 (CON	Γ)			AREA		BARROW .25 114	
				PC	T FREO	OF WIND	SPEED	(KTS)	AND DIR	CTION	VERSUS	SEA HEIG	HTS (FT)		
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10			34-47	48+	PCT	
<1	.0	2.2	.0	.0	•0	.0	2.2		- 1				.0	.0	. 8	
1-2	.0	5.5	1.3	.0	•0	.0	6.8		.5	8.5			.0	.0	11.4	
3-4 5-6	.0	1.8	7.6	1.0	.0	.0	9.4		•0				.0	.0	1.3	
7	.0	1.4	3.5	.0	.0	.0	9.6		.0				.0	.0	.4	
8-9	.0	.0	.0	1.0	.0	.0	1.0		.0				.0	.0	.0	
10-11	.0	.0	.0	0	.0	.0	.0		.0				.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.c		.0				.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	• 0	.0		.0	. (.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	0.		• 0	. 0	.0		.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	. 0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
TOT PCT	.0	11.0	19.5	2.1	• 0	• 0	32.6		.7	9.6	4.5	.0	.0	.0	14.9	
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PET		1-3	4-10	11-21		34-47	48+	PCT	PCT
<1	. 4	1.8	.0	.0	.0	.0	2.2		1.0	. 0		.0	.0	.0	1.0	
1-2	.0	. 9	.0	.0	.0	.0	.9		• 0	2.4		.0	.0	.0	2.4	
3-4	.0	1.0	.0	.0	.0	.0	1.0		.0	. (.0	.0	.0	.0	.0	
5-6	.0	1.0	. 9	.0	.0	.0	2.0		.0	. (.7	.0	.0	.0	.7	
7	.0	.5	.5	.0	.0	.0	1.0		.0	. (2.1	.0	.0	.0	2.1	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	. 0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	• 0	.0	.0		.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	• 0	.0	.0		• 0	. (.0	.0	.0	
13-16	.0	.0	.0	.0	• 0	.0	.0		.0	. 0			.0	.0	.0	
17-19	.0	.0	.0	.0	. 0	.0	.0		•0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	• 0	• 0	• 0		.0	. 9			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		•0	. (.0	.0	.0	
26-32 33-40	.0	.0	.0	.0	.0	.0	.0		•0				.0	.0	.0	
41-48	.0	.0		.0	.0	•0	.0		•0	:			.0	.0		
49-60	.0	.0	.0	:0	.0	.0	.0		.0	:			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	:			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	:			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	:			.0	.0	.0	
TOT PET	. 4	5.4	1.4	.0	.0	.0	7.2		1.0	2.4			.0	.0	6.2	95.3
									-,0			.0				

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	8.2	8.7	.0	.0	.0	.0	16.9	003
1-2	1.5	28.2	5.1	.0	.0	.0	34.9	
3-4	.5	10.3	10.8	.0	.0	.0	21.5	
5-6	.0	3.1	11.3	1.0	.0	.0	15.4	
7				.0	.0	.0	9.7	
	.0	1.5	8.2					
8-9	.0	.0	.0	1.0	.0	.0	1.0	
10-11	.0	.0	. 5	.0	.0	.0	.5	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70				.0	.0	.0	.0	
	.0	.0	.0					
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								195
TOT PCT	10.3	51.8	35.9	2.1	.0	.0	100.0	

PERIOD: (DVER-ALL) 1950-1969 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 8-9 10-11 .9 .0 2.6 .4 1.7 1.3 .9 2.2 .9 .4 .0 .0 .0 .0 .16 1c 6.9 4.3 49-60 61-70 71-86 .0 PFRIOD (SFC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 4.3 19.9 .0 .9 .0 .9 .6 .0 .6 .0 .6 .0 .7 2.2 20 56 8.7 24.2 105 37 32 21 14 3 19 231 MEAN HGT 3 6 7 8 10 13 2 5 5-6 5.6 4.3 .9 .4 .0 .0 27 67+ .0 .0 .0 .0 .0 3-4 11.3 4.3 2.2 .4 .4 .0 .4 3.5 2.6 6.5 3.0 .0 .0 1.3 39 16.9 .0 .4 .9 .4 3.0 .9 .0 13 .0 .4 .0 .9 .4 .0 .0 .0 4 .000044029 .000000000 .0 .4 1.3 2.2 .4 .0 .0 .0.0.0.0.0.0.0.0 .000000000 .000000000

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

								** ************************************							
			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE		
N NE	3.8	.0	.0	.0	.0		.0	3.8	:0	3.7	:0	.0	.0	:0	96.3
E SE	.6	.0	.6	.0	.0	.0	.0	1.2	1.2	.0	.3	.0	.0		98.5
S	1.7	2.3	.0	.0	.0	.0	.0	4.0	.0	1.0	.0	.0	.7	.0	98.3
W	.0	.0	.0	.0	.0		.0	:0	6.7	.0	3.3	.0	.0	.0	96.7
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT	.7	.4	.1	.0	•0		.0	1.3	.4	.7	.3	.0	• 1	.0	97.2

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATION	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603	1.3	.0	.3	.0	.0	.0	.0	1.6	.6	. 3	.3	.0	.0	.0	97.5
90330	.0	1.1	.0	.0	.0	.0	.0	1.1	1.1	.0	1.1	.0	1.1	.0	95.6
12615	. 5	. 5	.0	.0	.0	.0	.0	1.0	.0	1.5	.0	.0	.0	.0	97.5
18621	.0	1.1	.0	.0	• 0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	97.7
TOT PCT	.7	.4	.1	.0	•0	.0	.0	1.3	.4	.7	.3	.0	. 1	.0	97.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	1.7	2.0	.6	.0	.0	.0		4.3	5.5	2.5	4.5	.9	8.2	6.1	5.9	1.0	5.2
NE	1.8	4.6	2.5	.3		.0		9.2	9.1	5.6	9.6	6.7	23.3	12.5	9.6	3.9	3.2
E	1.2	10.6	8.1	2.3	. 2	.0		22.4	11.9	21.6	26.2	35.4	25.3	16.3	23.5	19.2	23.4
SE	2.3	10.4	8.6	1.8	.3	.0		23.5	11.4	28.4	25.4	23.5	9.6	14.5	16.9	46.1	29.9
S	2.6	10.4	6.6	. 5	.0	.0		20.1	9.6	26.0	20.6	19.8	16.4	18.4	14.7	15.6	17.5
SW	2.7	6.4	3.6	• 1	.0	.0		12.7	8.1	11.9	10.4	7.3	11.0	18.5	16.2	6.5	11.7
W	.6	1.7	.4	.0	.0	.0		2.7	6.1	1.4	. 8	3.0	4.1	5.2	4.4	1.0	1.9
NW	.7	1.8	.5	.0	.0	. 0		3.0	6.5	1.6	. 3	3.4	. 7	6.2	4.4	. 3	5.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5
CALM	2.1							2.1	.0	1.1	2.2	.0	1.4	2.3	4.4	6.5	1.3
TOT DBS	170	518	335	55	6	0	1084		9.7	261	183	82	73	263	68	77	77
TOT PCT	15.7	47.8	30.9	5.1	.6	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	N NE E SE S S W W NA CALM TOT DBS	NE 1.7 NE 1.8 E 1.2 SE 2.3 S 2.6 SW 2.7 W .6 NW .7 VAR .0 CALL 2.1 TUT DBS 170	NND DIR 0-3 4-10 NE 1.8 4.6 E 1.2 10.6 SE 2.3 10.4 S 2.6 10.4 S 2.7 6.4 N .6 1.7 NN .7 1.8 VAR .0 .0 CALM 2.1 TOT DBS 170 518	NND DIR 0-3 4-10 11-21 N 1.7 2.0 6 NE 1.8 4.6 2.5 E 1.2 10.6 8.1 SE 2.3 10.4 9.6 S 2.6 10.4 6.6 S 2.6 10.4 6.6 M 6 1.7 4.8 3.6 W 7 1.8 5.5 VAR 0.0 0.0 CALM 2.1 TOT DBS 170 518 335	NO DIR 0-3 4-10 11-21 22-33 NO DIR 1.7 2.0 .6 .0 NE 1.8 4.6 2.5 .3 E 1.2 10.6 8.1 2.3 SE 2.3 10.4 8.6 1.8 S 2.6 10.4 8.6 1.5 SH 2.7 6.4 3.6 .1 NO DIR 1.7 1.8 5 .0 CALM 2.1 TOT DBS 170 518 335 55	N 1.7 2.0 .6 .0 .0 NE 1.8 4.6 2.5 .3 * E 1.2 10.6 8.1 2.3 .2 SE 2.3 10.4 8.6 1.8 .3 S 7.6 10.4 6.6 .5 .0 SW 2.7 6.4 3.6 .1 .0 NW .7 1.8 .5 .0 .0 VAR .0 .0 .0 .0 .0 CALM 2.1 TOT UBS 170 518 335 55 6	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ N 1.7 2.0 .6 .0 .0 .0 NE 1.8 4.6 2.5 .3 * .0 E 1.2 10.6 8.1 2.3 .2 .0 SE 2.3 10.4 8.6 1.8 .3 .0 S 2.6 10.4 6.6 .5 .0 .0 SH 2.7 6.4 3.6 .1 .0 .0 N 6 1.7 .4 .0 .0 .0 NW .7 1.8 .5 .0 .0 .0 VAR .0 .0 .0 .0 .0 .0 CALM 2.1 TINT DBS 170 518 335 55 6 0	NND DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL DBS N 1.7 2.0 .6 .0 .0 .0 .0 NE 1.8 4.6 2.5 .3 * .0 E 1.2 10.6 8-1 2.3 .2 .0 SE 2.3 10.4 8-6 1.8 .3 .0 S 2.6 10.4 6-6 .5 .0 .0 N 2.7 6-4 3-6 .1 .0 .0 N 3.7 1.8 .5 .0 .0 .0 VAR .7 1.8 .5 .0 .0 .0 CALM 2.1 TIDT DBS	NND DIR	NND DIR	NO DIR 0-3 4-10 11-21 22-33 34-47	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN DBS FREQ SPD 00 03 N 1.7 2.0 6 0 0 0 0 4.3 5.5 7.5 4.5 NE 1.8 4.6 2.5 3 * 0 9.2 9.1 5.6 9.6 E 1.7 10.6 8.1 2.3 .2 0 22.4 11.9 21.6 26.2 SE 2.3 10.4 8.6 1.8 3 0 22.5 11.4 26.2 SE 2.3 10.4 8.6 1.8 3 0 22.5 11.4 26.2 SE 2.3 10.4 8.6 1.8 0 0 20.6 SW 2.7 6.4 3.6 1.8 0 0 20.6 SW 2.7 6.4 3.6 1.0 0 20.1 19.6 26.0 20.6 SW 2.7 6.4 3.6 1.0 0 22.7 8.1 11.9 10.4 NW .7 1.8 5.0 0 0 0 2.7 6.1 1.4 1.9 10.4 NW .7 1.8 5.0 0 0 0 3.0 6.5 1.6 3 VAR 0 0 0 0 0 0 0 3.0 6.5 1.6 3 VAR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN 00 03 06 N 1.7 2.0 6 0 0 0 0 4.3 5.5 7.5 4.5 9 NE 1.8 4.6 2.5 3 * 0 9.2 9.1 5.6 9.6 6.7 E 1.7 10.6 8.1 2.3 .2 0 22.4 11.9 21.6 26.2 35.4 SE 2.3 10.4 8.6 1.8 3 0 23.5 11.4 28.4 25.4 23.5 S 2.6 10.4 8.6 1.8 3 0 20.2 20.1 9.6 26.0 20.6 19.8 SW 2.7 6.4 3.6 1 0 0 0 2.7 8.1 11.9 10.4 7.3 W 0.6 1.7 4 0 0 0 0 2.7 6.1 11.4 10.4 3.0 WW .7 1.8 5 0 0 0 0 3 0 2.7 6.1 11.4 8.3 3.0 CALM 2.1 TOTO BS 170 518 335 55 6 0 1084 9.7 20.1 183 82	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL DBS FREQ SPD 0 03 06 09 NO DBS FREQ SPD 0 09 NO D	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL DRS FREQ SPD 00 03 06 09 12 NO 1.7 2.0 .6 .0 .0 .0 .4.3 5.5 9.5 NO 1.8 1.8 4.6 2.5 .3 * .0 9.2 9.1 5.6 9.6 6.7 23.3 12.5 E 1.2 10.6 8.1 2.3 .2 .0 22.4 11.9 21.6 26.2 35.4 25.3 16.3 SE 2.3 10.4 8.6 1.8 .3 .0 23.5 11.4 22.4 25.4 25.5 25.3 16.3 SE 2.3 10.4 8.6 1.8 .3 .0 22.5 11.4 22.4 25.4 25.9 35.6 25.3 16.3 SE 2.3 10.4 8.6 1.8 .3 .0 22.5 11.4 22.4 25.4 25.9 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10	NO DIR 0-3 4-10 11-21 22-33 34-47	NO DIR 0-3 4-10 11-21 22-33 34-47

-	-			

		WIND	SPEED							наи)	
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18	
						DBS	FREQ	SPD	03	09	15	21	
N	3.1	1.2	.0	.0	.0		4.3	5.5	3.3	4.4	6.0	3.1	
NE	3.6	4.4	1.1		.0		9.2	9.1	7.2	14.5	11.9	3.6	
E	6.2	10.2	5.2	. 8	.0		22.4	11.9	23.5	30.6	17.7	21.3	
SE	1.7	9.1	6.2	.5	.0		23.5	11.4	27.1	16.9	15.0	38.0	
S E	7.2	9.8	3.1	.0	.0		20.1	9.6	23.8	18.2	17.7	16.6	
SW	6.5	4.8	1.4	.0	.0		12.7	8.1	11.3	9.0	18.1	9.1	
W	2.1	.6	. 1	.0	.0		2.7	6.1	1.2	3.5	5.1	1.5	
NW	1.8	1.1		.0	.0		3.0	6.5	1.1	2.1	5.8	3.1	
VAR	.0	• 0	.0	.0	.0		.0	• 0	.0	.0	.0	.0	
CALM	2.1						2.1	• 0	1.6	.6	2.7	3.9	
TOT DES	437	447	185	15	0	1084		9:7	444	155	331	154	
THT PCT	40.3	41.2	17.1	1.4	.0		100.0		100.0			100.0	

PERIOD:	(PRIMARY)	1925-1971
	(DUER-ALL)	1857-1971

TABLE 4

AREA 0020 BARROW ISLAND 20.35 114.8E

DEPCENTAGE	ERECHENCY	DE	WIND	SPEED	BY	HOUR	(GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	2	KNOTS) 34-47	48+	MEAN	PCT FREQ	DBS
00603	1.6	18.0	48.4	25.7	6.1	. 2	.0	9.1	100.0	444
90300	.6	3.9	45.2	43.9	5.2	1.3	.0		100.0	155
12615	2.7	17.2	47.7	29.0	3.0	. 3	.0		100.0	331
18621	3.9	2.6	48.7	37.0	6.5	1.3	.0		100.0	154
TOT	23	147	518	335	55	6	0	9.7		1084
	2 1	12 4		20.0		4	0		100 0	

TABLE 5

TABLE 6

P	CT FRE			LOUD A		EIGHTHSI							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	MEAN CLDUD COVER	000 149	150 299	300 599	600	1000	2000 349 9	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL DB\$
N	1.2	.4	.0	.0		1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
NF	3.0	. 9	. 6	. 4		2.6	.0	.0	.0	• 0	. 3	. 4	.0	.0	.0	.0	4.3	
8	16.1	4.0	5.0	. 9		2.3	.0	.0	.0	.0	1.9	.0	.0	.0	. 3	2.1	21.8	
SF	19.8	2.5	6.3	2.0		2.4	.0	.0	. 4	1.8	1.5	. 5	.0	.0	.1	1.2	25.2	
5	12.6	3.4	5.0	. 7		2.4	.0	.0	.0	.0	1.5	1.6	.0	.0	.0	.0	18.7	
Sw	6.2	. 9	.5	. 4		1.7	.0	.0	.0	.0	.4	. 5	.0	.0	.0	.0	7.2	
w	1.0	.4	.0	.0		1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
NW	.9	.0	1.1	.0		3.7	.0	.0	.0	. 7	.0	.0	.0	.0	.0	.0	1.3	
VAR		.0				.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	
	.0			• .			.0	.0	.0	. 4	.0	.0	.0	.0	.0	.0	2.6	
TUT DBS	175	34	51	13	273	2.3	.0	.0	. 0	. 8	15	. A	.0	.0	1	. 9	231	273
TOT DET	64 1	12.5	18.7	4.8	100.0	2.5	.0	.0	.4	2.9	5.5	2.9	.0	.0	.4	3.3	84.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NM)			
CFILING	· DR	· DR	= DR	= OR	= OR	■ DR	DR	• DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
DR >6500	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3,6
OR >5000	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
DR >3500	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
OR >2000	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
DR >1000	11.3	11.7	11.7	12.0	12.0	12.0	12.0	12.0
DR >600	13.9	14.6	14.6	15.0	15.0	15.0	15.0	15.0
DR >300	13.9	15.0	15.0	15.3	15.3	15.3	15.3	15.3
UR >150	13.9	15.0	15.0	15.3	15.3	15.3	15.3	15.3
DR > 0	13.9	15.0	15.0	15.3	15.3	15.3	15.3	15.3
TOTAL	38	41	41	42	42	42	42	42

TOTAL NUMBER OF OBS: 274

PCT FREQ NH <5/81 84.7

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (FIGHTHS)

0	1	2	3	4	5	6	7	8	DBSCD	TOTAL DBS
60.2	21.6	9.5	7.1	6. R	4.7	2.4	4.1	3.7	.0	296

									MAY							
PERIOD:	(PRIMARY) 1 (OVER-ALL) 1							TAI	BLE 8				ARE		114.8	
			PI	ERCENT				CTION TH VAR						E DF		
	VSBY (NM)		N	NE	F	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		PCP	• 0	.0	.0	.0	.0	• 1	.0	.0	.0	.0	.1			
	1<2	NO PCP	• 0	.0	. 1	.2	.0	.0	.0	.0	.0	.0				
		TOT \$	• 0	• 0	.1	. 2	.0	.1	.0	•0	.0	.0	.4			
		PCP	.0	.0	.0	.0	.0	. 1	.0	.0	.0	.0	.1			
	2<5	NO PCP	. 4	. 2	. 3	. 4	. 4	. 8	. 1	. 1	.0	.0				
		TOT %	. 4	• 2	. 3	.4	. 4	. 9	. 1	. 1	.0	.0	2.8			
		PCP	.0	• 1	. 3	. 1	.1	. 2	.0	.0	.0	.0				
	5<10	NO PCP	. 4	1.8	6.9	3.6	2.8	2.5	. 5	.5	.0	. 4	19.4			
		TOT %	. 4	2.0	7.1	3.8	2.9	2.7	.5	. 5	.0	. 4	20.3			
		PCP	• 0	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.1			
	10+	NO PCP	3.2	5.4	16.7	19.2	17.6	9.0	1.6	1.5	.0	2.2				
		TOT %	3.2	5.6	16.7	19.2	17.5	9.0	1.6	1.5	.0	2.2	76.5			
		TOT OBS												689		
		TOT PCT	4.0	7.7	24.2	23.5	20.9	12.7	2.2	2.2	.0	2.6	100.0			

TABLE 9

				PERCE	T FRE	DF W	ND DIR	ECTION	VS WI	ND SPE	ED		
					WITH V	ARYING	VALUE	S UF V	12181	IIY			
VSBY (NM)	SPD	N	NE	E	SE	S	SW	*	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	. 0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	. 1	.0	.0	.0	.0		. 1	
	22+	.0	.0	.0	.0	. 1	.0	.0	.0	.0		.1	
	TOT %	.0	• 0	.0	.0	. 2	.0	.0	.0	.0	.0	. 2	
	0-3	. 1	- 1	. 1	.0	.0	.1	.0	. 1	.0	.1	.6	
1<2	4-10	.2	. 2	. 2		. 4	.3	. 1	. 2	.0		1.6	
	11-21	.0	• 1	. 3	.2	.0	. 2	.0	. 1	.0		. 9	
	22+	.0	.0	.0	.0	. 2	.0	.0	.0	.0		. 2	
	TOT %	. 3	. 4	.6	.2	.6	.6	.1	. 4	.0	. 1	3.3	
	0-3	.3		.0	. 1	. 1	.2	.0	. 1	.0	.0	. 8	
245	4-10	.0	• 1	. 2	. 3	.1	. 4	. 1	.0	.0		1.1	
	11-21	.0	.0	.0	. 1	. 1	.0	.0	.0	.0		. 2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT *	. 3	• 1	. 2	. 5	.3	.6	.1	.1	.0	.0	2.1	
	0-3	.5	. 8	. 5	.4		.9	. 2	. 3	.0	.6		
5<10	4-10	.9	2.2	4.1	2.8	4.1	2.7	. 7	. 8	.0		18.2	
	11-21	. 2	1.3	3.6	2.6	2.5	2.2	.4	. 3	.0		13.1	
	22+	.0	• 2	. 9	. 2	. 2	. 1		.0	.0		1.4	
	TOT %	1.5	4.5	9.0	6.0	7.0	5.7	1.3	1.4	.0	.6	37.0	
	0-3	1.0	1.0	.6	2.0	2.5	1.7	.6	. 3	.0	1.6	11.2	
10+	4-10	1.0	2.4	6.8	7.6	6.0	3.4	.9	. 8	.0		28.8	
	11-21	. 5	. 8	3.7	4.5	4.2	1.5	.0	•	.0		15.0	
	22+	.0	• 1	1.2	. 9	. 1	. 1	.0	.0	.0		2.3	
	TOT *	2.4	4.2	12.2	14.9	12.7	6.7	1.5	1.1	.0	1.6	57.4	
Ţ	OT DAS												999
T	OT PET	4.5	9.2	22.0	21.6	20.7	13.7	2,9	3.1	.0	2.3	100.0	

1925-1971

AREA 0020 BARROW ISLAND 20.35 114.8E

TABLE 10 PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
0080?	• 0	.0	.0	1.3	6.3	3.8	.0	.0	1.3	2.5	15.2	84.8	79
05809	•0	.0	•0	4.4	8.8	5.9	.0	.0	.0	5.9	25.0	75.0	68
12615	.0	.0	.0	2.7	4.0	.0	.0	.0	.0	1.3	8.0	92.0	75
18821	• 0	.0	1.4	2.8	1.4	1.4	.0	.0	.0	2,8	9.7	90.3	72
TOT PCT	0.0	.0	.3	2.7	15	2.7	.0	.0	.3	3.1	14.3	252 85.7	294 100.0

	E	

TABLE 12

		PERCENT	FREQUEN	CY V58	Y (NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
60300	.0	.0	1.0	1.4	31.7	65.9	419	60803	.0	.0	4.0	13.3	82.7	75
90330	.0	•0	5.0	.7	39.0	55.3	141	06609	.0	.0	4.6	21.5	73.8	65
12815	.0	.3	6.5	4.3	44.7	44.1	322	12815	.0	.0	3.0	6.1	90.9	55
18821	.0	.7	.7	.0	38.1	60.4	139	18821	.0	1.5	4.4	5.9	89.7	68
TOT	.0	.2	33	21	385 37.7	580	1021	TOT PCT	.0	1	11	32 11.7	231 84.3	274

TABLE 13

TABLE 14

	PERCE	ENT FR	EQUENC	Y OF R	ELATIV	HUMI	DITY BY	TEMP				PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	. 1	.0	.0	.0	. 3	.0	.0	.0	3	.4	.0	.0	.0		.1	.3	.0	.0	.0	.0
85/89	.0	. 1	. 1	. 0	. 6	.0	.0	.0	14	1.8	.0	.0	. 3	. 8	. 1	.6	.0	.0	.0	.0
80/84	. 1	. 5	1.6	3.3	7.8	6.8	2.0	. 4	179	22.5	1.5	2.4	6.9	3.9	3.3	2.0	. 8	1.0	.0	.6
75/79	.0	. 4	3.5	7.5	10.7	15.6	6.5	3.6	381	47.8	3.1	5.3	10.8	8.6	7.6	6.3	1.9	2.6	.0	1.6
70/74	.0	. 1	2.5	3.0	6.4	4.4	4.0	1.8	177	22.2	.3	. 8	3.0	5.5	7.6	4.3	. 4	.0	.0	. 3
65/69	.0	.0	. 4	. 4	. 5	1.0	. 9	1.0	33	4.1	.0	.0	. 8	1.0	1.5	.7	.1	.0	.0	.0
60/64	.0	.0	.0	. 1	.0	. 4	.6	.0	9	1.1	.0	.0	.0	. 1	. 4	.6	.0	.0	.0	.0
55/59	.0	.0	.0	.0	.0	. 1	.0	.0	1	. 1	.0	.0	.0	.0	. 1	.0	.0	.0	.0	.0
TOTAL	2	9	65	121	209	225	112	54	797	100.0										
PCT	. 3	1.1	8.2	15.2	26.2	28.2	14.1	6.8			4.9	8.6	21.7	20.0	20.7	14.8	3.2	3.6	.0	2.5

TARLE 15 MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(G4T)									DBS
10300	91	88	84	76	66	63	59	75.3	440
06509	90	89	86	80	74	72	71	79.5	154
12815	89	86	83	77	71	69	66	77.2	330
15621	84	83	82	77	70	65	61	76.7	156
TOT	91	88	84	77	70	64	59	77.1	1080

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HDUR	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	.6	23.8	24.8	27.9	15.2	7.7	59	323
12615	.0	20.9	25.2	30.6	14.0	9.3	70	258
TOT	2	199	212	228	118	55	59	814

MAY

PERIOD: (PRIMARY) 1925-1971 (OVER-ALL) 1857-1971

TABLE 17

AREA 0020 BARROW ISLAND 20.35 114.8E

									RENCE			
AIR-SEA	57	61	65	69				85	89	TOT	W	WD
TMP DIF	60	64	68	72	76	80	84	88	92		FOG	FOG
9/10	.0	.0	.0	.0	.0	.0	.3	.0	.6	3	.0	.9
7/8	.0	.0	.0	.0		.3	.3	.0	.0	3	.0	. 9
6	.0	.0	.0	.0	. 3	.0	.0	. 3	.0	2	.0	.6
5	.0	.0	.0	.0		.6	.6	. 3	. 3	8	.0	2.4
4	.0	.0	.0	.0	.0	.0	.6	. 9	.0	5	.0	1.5
3	.0	.)	.0	.0	.0	. 9	1.5	. 3	.0	9	. 0	2.7
2	.0	.0	.0	.3		2.1	3.3	.6	.0	22	.0	6.6
1	.0	.0	.0	.6		2.4	3.9	1.2	.0	28	.0	8.4
0	.0	.0	.0	. 6		4.5	7.2	. 3	.0	48	.0	14.4
-1	. 0	.0	.0	. 3	1.8	5.4	6.0	. 3	.0	46	. 3	13.5
-2	.0	.0	.0	. 3	1.2	6.0	3.6	.0	.0	37	.0	11.1
-3	.0	.0	.0	. 3		5.4	. 9	.0	.0	36	. 3	10.5
-4	.0	.0	.0	.3		2.4	.3	.0	.0	16	.0	4.8
-5	.0	.0	.0	. 3	3.6	1.2	.0	.0	.0	17	.0	5.1
-6	.0	. 3	.0	. 9	3.3	. 3	.0	.0	.0	16	.0	4.8
~7/-8	.0	. 3	.0	2.4	3.6	. 9	.0	.0	.0	24	.0	7.2
-9/-10	.0	.0	. 3	1.2	. 9	.0	.0	.0	.0	8	.0	2.4
-11/-13	.3	.0	.0	. 9		.0	.0	.0	.0	5	.0	1.5
-14/-16	.0	.0	. 3	.0	.0	.0	.0	.0	.0	1	.0	.3
TOTAL	1		2		81		95		3		2	332
		2		28		108		14		334		
PCT	. 3	. 6	. 6	8.4	24.3	32.3	28.4	4.2	. 9	100.0	.6	99.4

PERIOD: (DVER-ALL) 1963-1971

TABLE 18

								IAB	re to						
				P	T FREQ	OF WIND	SPEED	(KTS) A	ND DIRE	CTION	VERSUS S	SEA HEIG	SHTS (FT)	
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0		.5	.5	.0	.0	.0	.0	1.1
1-2	.0	. 8	.0	.0	.0	.0	. 8		.0	2.0	.0	.0	.0	.0	2.0
3-4	.0	.0	.4	.0	.0	.0	.4		.0	1.1	. 4	.0	.0	.0	1.5
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.1	.0	.0	.0	.0	.1
7	.0	. 5	.0	.0	.0	.0	.5		.0	.0	.5	.0	0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.6	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-96	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.4	.4	.0	•0	.0	1.8		. 5	3.8	. 9	.0	.0	.0	5.3
				F											
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.2	.0	.0	.0	• 0	3.2		.0	2.2	.0	.0	.0	.0	2.2
1-2	.0	8.4	1.1	.0	.0	• 0	9.5		.0	10.1	2.3	.0	.0	.0	12.4
3-4	.0	3.6	4.5	.5	.0	• 0	8.6		• 0	3.0	4.5	.5	.0	.0	8.0
5-6	.0	. 4	3.6	.0	• 0	.0	4.1		.0	.0	4.6	.5	.0	.0	5.1
7	.0	.0	. 9	1.6	.0	.0	2.6		.0	.5	1.8	1.1	.0	.0	3.4
8-9	• 0	.0	.0	. 5	.0	.0	. 5		• 0	.0	.5	.0	.0	.0	.5
10-11	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	. 0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	• ()	.0	.0	.0	• 0	.0	.0		• 0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	• 0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	. U	.0	.0	.0	.0	.0	.0		• 0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-96	. 0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	15.7	10.1	2.7	•0	• 0	28.5		• 0	15.8	13.6	2.2	:0	.0	31.6

AREA 0020 BARROW ISLAND 20.35 114.8E

PCT	FREG	OF	WIND	SPEED	(KTS)	AND	DIRECTION	VERSUS	SEA	HEIGHTS	(FT)

				PC	T FREG C	F WIND	SPEED	(KIS) AND DIRE	LITUN	CK202 2	EA HEIG	HIS (FI)			
				5							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.5	2.6	.0	.0	.0	.0	3.1	.0	1.8	. 5	.0	.0	.0	2.3	
1-2	.0	5.9	2.0	.0	.0	.0	0.8	.0	1.8	.0	.0	.0	.0	1.8	
3-4	.0	1.5	4.2	.0	.0	.0	5.7	.0	. 5	.5	.0	.0	.0	1.1	
5-6	.0	.5	.9	.0	.0	.0	1.5	.0	.0	.0	.0	. 1	.0	.0	
7	.0	.0	3.6	.0	.0	.0	3.6	.0	.0	. 1	.0	.0	.0	. 1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0	.0	
33-40	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.5	10.5	10.8	.0	.0	.0	21.9	.0	4.1	1.2	.0	.0	.0	5.3	
											NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.5	.5	.0	.0	.0	.0	1.1	.0	. 5	.0	.0	.0	.0	.5	
1-2	.0	.5	.0	.0	.0	.0	.5	•0	. 1	.0	.0	.0	.0	.1	
3-4	.5	.0	.0	.0	.0	.0	.5	.0	1.1	.1	.0	.0	.0	1.2	
5-6	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	_0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	.0	.0	
TOT PCT	1.1	1.1	.0	.0	.0	.0	2.2	.0	1.8	. 1	.0	.0	.0	1.9	98.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

	HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
	<1	3.2	11.3	.5	.0	.0	.0	15.1	003
	1-2	.0	30.1	5.4	.0	.0	.0	35.5	
	3-4	. 5	10.8	14.5	1.1	.0	.0	26.9	
	5-6	.0	1.1	9.1	. 5	.0	.0	10.8	
	7	.0	1.1	7.0	2.7	.0	.0	10.8	
	8-9	.0	.0	. 5	. 5	.0	.0	1.1	
1	0-11	.0	.0	.0	.0	.0	.0	.0	
	12	.0	.0	.0	.0	.0	.0	.0	
	3-16	.0	.0	.0	.0	.0	.0	.0	
	7-19	• 0	.0	.0	.0	.0	.0	.0	
	0-22	.0	.0	.0	.0	.0	.0	.0	
	3-25	.0	.0	.0	.0	.0	.0	.0	
2	6-32	.0	.0	.0	.0	.0	.0	.0	
	3-40	.0	.0	.0	.0	.0	.0	.0	
4	1-48	.0	.0	.0	.0	.0	.0	.0	
	9-60	.0	.0	.0	.0	.0	.0	.0	
6	1-70	.0	.0	.0	.0	.0	.0	.0	
	1-86	.0	.0	.0	.0	.0	.0	.0	
	87+	.0	.0	.0	.0	.0	.0	.0	
									186
Tr	T PCT	3.8	54.3	37.1	4.8	.0	.0	100.0	

PERIOD: (DVER-ALL) 1950-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-80	87+	TOTAL	MEAN
(SEC)																					HGT
<6	4.8	17.6	14.3	2.4	5.2	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100	3
6-7	.0	. 5	9.0	4.8	3.8	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	5
8-9	.0	1.0	5.7	6.2	1.0	1.9	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	5
10-11	.0	. 5	. 5	1.9	1.9	2.4	. 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	6
12-13	.0	.0	- 0	. 5	. 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
>13	.0	.0	. 0	1.0	.0	. 5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
INDET	1.9	1 4	- 5	1.9	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	3
TOTAL	14	44	63	39	28	17	5	0	O	0	0	0	0	0	0	0	0	0	0	215	4
PCT	6.7	21.0	30.0	18.6	13.3	8.1	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIND:	(PRIMARY)	1923-1969 1859-1969

TABLE 1

AREA 0020 BARROW ISLAND 20.15 114.6E RECTION

PERCEN	T FREQUENCY	OF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	URZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WO PCPH	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUS BLWG SNO	
N	10.7	1.8	.0	.0	.0	.0	.0	12.5	3.6	.0	.0	.0	.0	.0	83.9
NE	3.8	.0	.0	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	96.2
E	1.9	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	98.1
SE	2.3	.6	.0	.0	.0	.0	. 0	2.9	.6	.0	.0	.0	.6	.0	95.9
S	2.1	.0	1.1	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	96.8
SW	2.7	.0	2.2	.0	• 0	.0	.0	2.7	2.2	.0	2.2	.0	.0	.0	93.0
W	8.4	.0	.0	.0	.0	.0	.0	8.4	.0	2.4	.0	.0	.0	.0	89.2
NW	13.0	1.6	.0	.0	.0	.0	.0	14.6	.0	4.9	.0	.0	.0	.0	80.5
VÄR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT TOT UBS:	3.4	. 3	.3	•0	• 0	.0	-0	3.8	.5	. 3	. 2	.0	. 2	.0	95.1

TABLE 2

PERCENT	FREDUENCY	DF	WEATHER	DCCURRENCE	RY	HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENDI	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	4.1 1.3 2.4 4.5	.0 .5 1.1	.0 1.0	.0	.0	.0	.0	4.1 1.3 3.4 5.7	.3 .0 .5 1.1	.0 .0 .0 2.3	.0	.0	.0	.0	95.2 98.7 95.7 90.9
TOT PCT	3.3	.3	.3	.0	•0	.0	.0	3.7	.4	.3	. 1	.0	•1	.0	95.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	UTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.1	2.2	1.0	• 1	.0	.0		3.5	8.8	2.3	2.6	8.3	1.8	5.5	1.1	3.3	2.5
NE	1.0	6.4	3.6	. 2	.0	.0		11.2	9.7	9.1	13.0	12.7	11.8	13.5	6.3	16.7	5.0
E	1.2	9.4	11.3	2.0	. 2	.0		24.0	12.6	23.1	29.2	29.6	25.9	18.7	25.9	22.0	23.5
SE	1.8	11.9	11.9	2.9	. 3	.0		28.7	12.4	36.8	30.2	22.8	31.8	21.5	25.9	18.2	35.5
S	1.9	6.2	5.3	. 8		.0		14.4	10.9	14.8	11.3	15.4	11.2	15.2	13.8	18.5	16.5
SW	1.5	4.4	2 . 1	. 3		.0		8.3	8.9	7.3	6.7	3.1	10.6	9.2	13.2	9.6	9.5
W	.7	1.6		. 2		.0		3.2	8.8	1.8	2.5	3.1	2.9	4.3	5.2	2.1	5.0
NW	. 3	2.3	.7			.0		3.4	7.9	3.0		3.7	2.9			2.4	1.5
VAR	.0	.0	• 0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5
CALM	3.3							3.3	.0	1.8	1.4	1.2	1.2	6.8	5.7	7.1	. 5
TOT DBS		530	438	79	7	0	1195		10.9	272	220	81	85	266	87	84	100
TOT PC1		44.4		6.6	.6	-0		:00.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

		WIND	SPEED	(KNOTS)						HOU	R (GMT)
WND DIR	0-6	7-16	17-27	28-40	41+	TUTAL	PCT	MEAN	50	06	12	1.8
						UBS	FREQ	SPD	03	09	15	21
N	1.4	1.8	.2	.0	.0		3.5	8.8	2.4	5.0	4.5	2.9
NE	3.7	6.0	1.5	.0	.0		11.2	9.7	10.8	12.2	11.8	10.3
E	4.5	12.5	6.5	.5	.0		24.0	12.6	25.8	27.7	20.5	22.8
E SE	6.2	14.4	7.2	. 9	.0		28.7	12.4	33.8	27.4	22.6	28.1
5	4.6	6.6	2.6	.5	.0		14.4	10.9	13.2	13.3	14.9	17.4
SW	3.3	4.1	.6	. 2	.0		8.3	8.9	7.0	6.9	10.2	9.6
W	1.5	1.2	. 5		.0		3.2	8.8	2.1	3.0	4.5	3.7
NW	1.6	1.6	. 1	.0	.0		3.4	7.9	3.1	3.3	4.6	1.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.3						3.3	.0	1.6	1.2	6.5	3.3
TOT ORS	361	576	231	27	, 0	1195		10.9	492	166	353	184
TOT PCT	30.2	48.2	19.3	2.3	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1923-1969 (OVER-ALL) 1859-1969

TABLE 4

AREA 0070 BARROW ISLAND 20.15 114.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	085
00603	1.6	8.7	44.3	36.8	8.1	.4	.0	11.2	100.0	492
90300	1.2	3.0	44.0	44.6	6.0	.6	.0		100.0	166
12615	6.5	13.0	44.2	30.9	4.5	. 8	.0		100.0	353
18621	3.3	3.8	45.1	40.2	7.1	.5	.0	11.5	100.0	184
TOT	39	102	530	438	79	7	0	10.9		1195
PCT	3.3	8.5	44.4	36 7	6 6	6	. 0		100.0	-

	ADLE 7											12	BEE 0					
	PCT FRE			CLOUD A		(EIGHTHS)			PERCEN	TAGE F	REQUEN	CY DF	CEILIN	G HEIG	HTS (F	FT, NH :	94/8) DN	
W∾O DIR	0-2	3-4	5-7	8 & 0850n	TOTAL	CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	2.7	.7	1.1	1.1		3.8	.0	.0	.0	.4	1.1	.4	.0	.0	.0	.0	3.7	
NE	6.4	2.1	1.2	3.6		3.5	.0	.0	.0	.0	1.6	1.7	. 4	.0	.0	. 4	9.3	
ŧ	12.5	3.3	5.6	2.5		3.1	.0	.0	.0	.0	2.5	2.1	.0	. 3	.0	. 3	18.7	
SF	14.3	3.9	5.2	2.1		2.7	. 4	.0	.0	. 5	1.3	2.3	. 1	. 1	.0	. 1	20.7	
S	10.4	1.4	1.3	2.5		2.5	.0	.0	.0	. 3	. 7	1.8	. 3	.0	.0	.0	12.6	
5 4	3.4	1.0	.6	. 5		2.2	.0	.0	.0	.0	. 6	. 1	. 4	.0	.0	.0		
W	. 7	. 3	.4	. 7		4.0	.0	.0	.0	. 8	. 3	.0	.0	.0	.0	.0	1.0	
NW	1.2	1.1	.0	. A		3.4	.0	.0	.0	. 8	.0	.0	.0	.0	.0	.0	2.4	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	4.6	. 4	.4	.0		1.2	.0	.0	.0	.0	. 4	.0	.0	.0	.0	.0	5.0	
TUT DBS	147	37	41	36	261	2.9	1	. 0	0	7	22	22	3	1	.0	2	203	261
TET PCT	56.3	14.2	15.7	13.9	100.0		.4	•0	.0	2.7	8.4	8.4	1.1	.4	.0	. 8	77.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CEILING	 DR 	 DR 	= DR	= OR	= DR	- OR	- DR	. DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	. 8	.8	.8	.8	. 8	. 8	.8	.8
■ DR >5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
■ DR >3500	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
■ DR >2000	10.2	10.2	10.6	10.6	10.6	10.6	10.6	10.6
 OR >1000 	17.8	18.2	18.9	18.9	18.9	18.9	18.9	18.9
■ DR >600	18.6	20.8	21.6	21.6	21.6	21.6	21.6	21.6
■ DR >300	18.6	20.8	21.6	21.6	21.6	21.6	21.6	21.6
 DR >150 	18.6	20.8	21.6	21.6	21.6	21.6	21.6	21.6
■ OR > 0	8.6	20.8	22.0	22.0	22.0	22.0	22.0	22.0
TOTAL	49	55	58	58	58	5.8	5.8	5.8

TOTAL NUMBER OF DBS: 264 PCT FREQ NH <5/8: 78.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	DBSCD	DBS
29.3	23.9	9.6	9.6	5.4	3.2	5.0	4.3	9.3	. 4	280

									JONE						
PERIOD: (PRI	MARY) 1 R-ALL) 1							TA	BLE 8				ARE	4 0020 BARROW IS 20.15 114.	
			P	ERCENT			D DIRE						URRENC	E DF	
	VSBY (NM)		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL	
		PCP	• 0	.0	.0	. 2	.0	.0	.0	.0	.0	.0	.2		
	<1/2	NO PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT X	•0	• 0	.0	. 2	.0	.0	.0	.0	.0	.0	. 2		
		PCP	.0	• 0	.0	• 0	.0	.0	.0	.0	.0	.0	.0		
	1/2<1	NO PCP	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TUT %	• 0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0		
		PCP	.0	.0	.0	.0	.0	.0	.0	. 2	.0	.0	. 2		
	1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT &	• 0	.0	.0	.0	.0	.0	.0	. 2	.0	.0	. 2		
		PCP	.2	• 0	.0	. 5	.0	.0	.2	.0	.0	.0	. 6		
	2<5	NO PCP	.0	.0	. 3	. 5	. 3	. 3	.0	. 3	.0	.0	1.7		
		TOT %	. 2	.0	. 3	1.0	.3	. 3	. 2	.3	.0	.0	2.4		
		PCP	.2	.3	.2	.2	. ?	.0	.0	.5	.0	.0	1.5		
	5<10	NO PCP	1.1	2.6	5.1	4.5	1.7	. 9	1.0	1.9	.0	.5	19.2		
		TOT %	1.3	2.9	5.2	4.7	1.8	. 9	1.0	2.4	.0	. 5	20.8		
		PCP	.2	. 2	.3	.0	.3	.2	. 1	.0	.0	.0	1.2		
	10+	NO PCP	2.6	9.0	17.9	20.6	12.1	5.7	1.9	1.8	.0	3.7	75.3		
		TOT %	2.8	9.2	18.2	20.6	12.4	5.9	2.0	1.8	.0	3.7	76.5		
		TOT DBS												655	
		TOT PCT	4.3	12.1	PRIDITION	32020 00		7.1	3.2	4.7	.0		100.0		

TAPLE 9

(NM)	SPD KTS	N	NE	E	SE	5	SW		NW	VAR	CALM	PCT	TOTAL
(40)	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	DBS
<1/2	4-10	.0			. 1	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.1	.0	.0	. 0	.0	.0		.1	
	TOT %	.0	*		. 2	.0	.0	.0	.0	.0	.0	. 3	
	0-3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	4-10	. 1	.0	.0	.0	.0	.0	.0	.0	.0		. 1	
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	. 1	• 1	.0	.0	.0	.0	.0	.0	.0	.0	. 2	
	0-3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.2	
1<2	4-10	. 3		.0	.0	*		.0	. 1	.0		. 6	
	11-21	. C	.0	.0	. 1	.0	.0	.0	. 0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	60.5	.0	
	TOT %	. 3		.0	. 2	•	•	.0	.1	.0	.1	. 9	
	0-3	.0	.0	.0	.0	.0	. 1	.0	.0	.0	.0	.1	
2<5	4-10	.0	.0	. 2	. 2	. 2	. 1	.0	. 1	.0		. 8	
	11-21	. 1	• 1	.0	. 2	*	*	. 1	. 1	.0		. 7	
	22+	.0	.0	.0	. 2	.0	.0	.0	.0	.0		. 2	
	TOT %	. 1	• 1	.2	.6	. 2	. 2	. 1	.2	.0	.0	1.8	
	0-3	.1	.5	.5	.3	.4	. 5	. 5	.3	.0	. 8	3.9	
5<10	4-10	1.0	2.6	4.0	3.6	1.8	1.8	. 5	1.2	.0		16.5	
	11-21	. 2	1.6	3.8	5.3	2.0	1.2	. 2	. 4	.0		14.8	
	22+	.0		. 9	2.1	.6	. 4	2	.0	.0		4.3	
	TOT %	1.3	4.7	9.2	11.4	4.8	4.0	1.5	1.9	.0	. 8	39.6	
	0-3	. 1	.4	.6	1.3	1.7	. 9	. 3	- 1	.0	2.5	7.9	
10+	4-10	1.0	4 - 1	5.4	8.4	4.3	2.7	1.2	1.0	.0		28.0	
	11-21	. 8	2.1	6.3	5.3	3.2	. 8	. 3	- 1	.0		19.1	
	22+	. 1	• 1	1.2	. 6	. 2	.0	.0	.0	.0		2.3	
	TOT %	2.0	6.8	13.5	15.6	9.5	4.4	1.8	1.3	.0	2.5	57.3	
т	DT DAS												1013
	DT PCT	3.8	11.8	23.0	28.0	14.6	8.7	3,3	3.5	.0	3.4		

TABLE 10

AREA 0020 BARROW ISLAND 20.15 114.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600 99 9	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00603	1.4	.0	•0	1.4	6.8	10.8	1.4	1.4	.0	.0	23.0	77.0	74	
05809	.0	.0	•0	3.3	5.0	11.7	.0	.0	.0	3.3	23.3	76.7	60	
12815	.0	.0	.0	2.8	9.7	4.2	1.4	.0	.0	.0	18.1	81.9	72	
18821	.0	.0	.0	2.9	10.0	5.7	1.4	.0	.0	.0	20.0	80.0	70	
TOT	1	.0	.0	2.5	22	8.0	1.1	.4	.0	.7	58 21.0	218 79.0	276	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	AND/DR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.7	.0	1.2	.7.	28.4	69.0	429	00803	1.5	1.5	2.9	22.1	75.0	68
90330	.0	.0	1.5	1.5	41.4	55.6	133	90300	.0	.0	5.2	19.0	75.9	58
12815	.0	.6	1 • 2	4.0	55.4	38.8	327	12815	.0	.0	5.8	14.5	79.7	69
18821	.0	.0	• 0	.0	41.4	58.6	152	18821	.0	.0	2.9	17.4	79.7	69
TOT	.3	.2	11	18	421	586 56.3	1041	1 DT PC T	.4	.4	11	48 18.2	205 77.7	264

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS FREQ TEMP F ,0 ,0 7.9 4.1 7.3 5.4 5.4 5.6 1.4 .8 .1 .0 167 117 22.7 15.9 .1 .9 2.0 3.8 .9 .1 .0 59 .0 .1 .9 .8 6.6 6.4 8.5 11.0 5.0 3.9 .5 1.4 .0 .0 160 174 21.7 23.6 28 3.8 216 29.3 284 38.5 168 22.8 34 4.6 3 .4 737 100.0 .0 .4 1.6 2.3 1.6 .4 .3 49

TABLE 14

	PERC	ENT FR	EQUENC	Y 0F W	IND DI	RECTION	N BY T	EMP	
N	NE	E	SE	s	SW	W	NW	VAR	CALM
.0	.0	. 2	. 2	.0	. 1	.0	.0	.0	.0
. 1	.6	1.3	. 9	. 2	. 2	.1	. 3	.0	.0
2.7	4.9	8.2	6.8	2.7	1.2	.6	1.5	.0	. 8
. 8	5.2	8.6	8.8	5.0	5.3	1.7	1.2	.0	2.0
. 4	1.1	5.1	8.2	5.0	2.1	. 2		.0	.5
.0	• 0	.6	2.4	.7	. 4	. 1	. 1	.0	. 1
.0	.0	.0	*	. 3	• 1	.0	.0	.0	.0
4.0	11.8	24.0	27.3	14.0	9.4	2.8	3.1	.0	3.5

TARLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	МДХ	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
60300	90	87	83	73	63	59	55	72.5	483
12615	86 92	85 85	82 81	75 73	68	64	64	75.0	168 357
18621	81	79	78	72	64	62	61	72.2	184
TOT	92	85	82	73	65	61	55	73.1	1192

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL DBS
3 34.1 20.9 22.3 15.9 6.4 57 296
0 43.5 30.6 13.9 8.3 3.7 53 105
0 24.0 23.5 27.0 16.7 8.6 70 233
0 24.4 26.8 22.0 18.9 7.9 70 127
1 235 184 172 119 53 58 764 HOUR (GMT) 00603 06609 12615 18621 TOT

JUNE

PERIOD: (PRIMARY) 1923-1969 (DVER-ALL) 1859-1969

TABLE 17

AREA 0020 BARROW ISLAND 20.15 114.66

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	57	61	65	69	73	77	81	85	TOT	W	WO
TMP DIF	60	54	68	72	76	80	04	88		FOG	FOG
11/13	.0	.0	.0	.0	.0	.0	.3	.0	1	.0	.3
9/10	.0	.0	.0	.0	.0	. 3	.0	.0	1	.0	. 3
7/8	.0	.0	.0	.0	.0	.0	.3	.0	1	.0	. 3
6	.0	.0	.0	.0	. 9	.0	.3	.6	6 7	.0	1.8
6	.0	.0	.0	.0	.0	.0	1.5	1.2	7	.0	2.1
4	.0	.0	.0	.0	.3	.9	1.5	.3	10	.0	3.0
3	.0	.0	.0	.0	.0	.9	1.2	.3	8	.0	2.4
4 3 2 1 0 -1 -2 -3	.0	.0	.0	.0	.6	3.8	2.1	. 3	8 23	.0	6.8
1	.0	.0	.0	.4	. 9	4.7	2.4	.3	31	.3	8.9
0	.0	.0	.0	.6	2.4	5.6	2.1	.3	37	.0	10.9
-1	.0	. 3	.0	1.5	5.0	6.2	. 3	.0	45	.0	13.3
-2	.0	.0	.0	.9	4.4	3.3	1.5	.0	34	.0	10.1
-3	.0	.0	.0	1.2	7.1	1.8	.0	.0	34	. 0	10.1
-4 -5	. 3	.0	.6	1.5	3.6	2.1	. 3	.0	28	.0	8.3
-5	.0	.0	. 3	2.7	2.4	1.2	.0	.0	22	. 0	6.5
-6	.0	. 3	.3	1.8	2.1	.6	.0	.0	17	.0	5.0
-7/-8	.0	.3	1.2	3.3	.9	.0	.0	.0	19	.0	5.6
-9/-10	. 3	.3	1.2	1.2	.0	.0	.0	.0	10	.0	3.0
-11/-13	.0	.0	. 6	.0	.0	.0	.0	.0	2	.0	.6
-14/-16	.0	.6	.0	.0	.0	.0	.0	.0	2 2	.0	.6
TOTAL	2		14		103		44			1	337
				52		106		11	338		
PCT	.6	1.8	4.1	15.4	30.5	31.4	13.0	3.3	100.0	. 3	99.7

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) NE 22-333 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 1-3 -47 34-47 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 HUT PCT 1-3 34-47 11-21 3.7 2.3 4.3 4.3 .7 .0 .0 .0 .0 .0 .0 .0 TABLE 18 (CONT)

AREA 0020 BARROW ISLAND 20.15 114.6E

PCT	FREO	DF	WIND	SPEED	(KTS)	AND	DIRECTION	VERSUS	SEA	HEIGHTS	(FT)	

				PC	T FREO	DF WIND	SPEED	(KTS) AND DIRE	CTION V	ERSUS S	SEA HEIG	HTS (FT)			
				5							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	1.3	2.3	.0	.0	.0	.0	3.7	.0	1.5	.0	.0	.0	.0	1.5	
1-2	.0	7.3	1.3	.0	• 0	.0	8.7	.0	1.7	.0	.0	.0	.0	1.7	
3-4	.0	. 5	4.5	.0	.0	.0	5.0	.0	.0	. 5	.0	.0	.0	. 5	
5-6	.0	.7	2.8	.0	• 0	.0	3.5	.0	.0	. 3	.0	.0	.0	.3	
7	.0	.0	.5	.0	.0	.0	.5	.0	.0	. 8	.0	.0	.0	. 8	
8-9	.0	.7	.0	.0	.0	• 0	.7	.0	1.3	.0	.0	.0	.0	1.3	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	. U	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	• 0	.0	• 0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	. 0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-96	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
87+ TOT PCT	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TUT PC1	1.3	11.5	9.2	.0	• 0	.0	22.0	• 0	4.5	1.7	.0	.0	.0	6.2	
				w.							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.7	.0	.0	• 0	• 0	.7	•0	.0	.0	• 0	• 0	.0	.0	
1-2	.0	1.2	.0	.0	.0	.0	1.2	• 0	. 7	. 2	.0	.0	.0	. 8	
3-4	.0	.0	.0	.0	.0	.0	.0	• 0	1.3	.0	.0	.0	.0	1.3	
5-6	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.7	.0	.0	.0	.7	.0	.0	1.3	.0	.0	.0	1.3	
8-9	.0	.0	.0	.0	• 0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	• 0	• 0	. C	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	• 0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	. 5	.0	
33-40	.0	.0	.0	.0	• 0	• 0	.0	• 0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
71-96	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.8	.7	.0	• 0	.0	2.5	.0	2.0	1.5	.0	.0	.0	3.5	93.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

			411.710.000.00	2.000	C22175 V.			
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	10.5	5.3	.0	.0	.0	.0	15.8	DBS
1-2	.0.0	32.2	9.9	.0	.0	.0	42.1	
3-4	.0	7.2	13.8	.0	.0	.0	21.1	
5-6		1.3		.7	.0	.0		
5-0	.0		9.2		.0		11.2	
7	.0	.0	3.9	.7	.0	.0	4.6	
8-9	.0	2.0	1.3	1.3	.0	.0	4.6	
10-11	.0	.0	.0	.7	.0	.0	.7	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	. 0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	• 0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								152
TOT PCT	10.5	48.0	38.2	3.3	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1969

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
								-	-	-							10		100		HU
<6	3.7	11.7	17.0	3.2	1.1	• C	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	69	3
6-7	.0	. 5	8.5	8.0	5.9	2.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	49	5
8-9	.0	.0	2.7	2.7	8.0	5.3	2.1	. 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	7
10-11	.0	.0	1.1	1.1	.5	.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	6
12-13	.0	.0	1.1	.0	. 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
>13	• ()	.0	.0	1.1	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
INDET	4.8	.5	.5	1.1	1.6	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	2
TOTAL	16	24	58	32	34	14	7	3	0	0	0	0	0	0	0	U	0	0	0	188	4.
PCT	8.5	12.8	30.9	17.0	18.1	7.4	3.7	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD:	(PRIMARY)	1883-1969
	(DVER-ALL)	1850-1060

TABLE 1

AREA 0020 BARROW ISLAND 19.95 114.7E

PERCENT	FREQUENCY	DE	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

					EKCEN	FREQU	ENCT	TE MENTINER	. Decommence		140 016	ECTION			
			p	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	.0	4.1	.0	.0	.0	.0	.0	4.1	.0	.0	.0	.0	5.2	.0	95.9
	.0	. 5	.0	.0	• 0	.0	.0	. ,							
E	.0	.0	. 7	.0	.0	.0	.0	. 7	.0	.0	1.0	.0	4.0		94.4
SE	. 0	. 2	. 8	.0	.0	.0	.0	1.6	. 6	.0	. 9	.0	.6		96.2
S	1.1	. 8	. 8	.0	.0	.0	.0	2.7	.0	.0	.0	.0	1.3	.0	96.0
SW	4.1	.0	.0	.0	• 0	.0	.0	4.1	.0	.0	.0	.0	.0	.0	95.9
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.0	94.4
NW	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	4.7	.0	95.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.5	.0	.0	• 0	•0	.0	.0	4.5	.0	.0	.0	.0	4.5	.0	90.9
TOT PCT	.9	.4	4.5	•0	•0	.0	.0	1.8	. 2	.0	.5	.0	2.3	.0	95.2

TABLE

PERCENT FREDUENCY OF WEATHER OCCURRENCE BY HOUR

			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWK	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	S I G WEA
00£03 06£09 12£15 18£21	1.0 .0 2.4	.5 .0 .0	.5 .0 .6	.0	•0	.0	.0	2.0 .0 3.0 2.0	.5	.0	1.0 .6 1.0	.0	1.0 5.9 2.4 1.0	.0	96.5 93.1 94.0 96.0
TOT PCT	1.1	.4	.5	.0	.0	.0	.0	1.9	.2	.0	.5	.0	2.3	.0	95.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	In SPE	ED (KN	DTSI								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	16	21
N	.6	1.8	. 8	.0	.0	.0		3.1	7.7	3.1	3.9	1.3	3.3	3.5	4.8	2.2	2.5
NE	. 8	5.5	3.6	. 3	.0	.0		10.2	9.6	4.5	9.1	17.1	15.7	14.7	5.3	8.5	7.0
E	1.7	11.2	11.7	4.4	.4	.0		29.3	13.0	29.2	31.5	36.8	35.8	25.3	23.8	25.0	29.8
SE	1.5	11.4	12.9	3.2	.3	.0		29.4	13.0	36.7	29.5	20.7	27.0	23.0	26.7	34.4	34.5
S	1.0	6.2	6.1	1.4		.0		14.8	11.9	14.1	15.9	13.2	8.3	14.0	18.8	22.5	14.1
SW	. 9	4.0	1.7	.3		.0		6.9	9.0	8.6	4.8		5.3	9.8	6.7	4.0	7.4
W	. 5	1.3	. 4			.0		2.2	6.1	1.2	2.8	.0	. 4	3.3	8.2	.7	1.9
NW	. 5	. 8	• 1	.0		.0		1.3	5.5	.4	2.0	1.1	1.6	2.0	2.9	.0	1.1
VAR	.0	.0	• 0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.6	• • •						2.6	.0	2.3	.6	5.1	1.6	4.4	1.9	2.7	1.5
TOT UBS	130	539	479	122	8	0	1278		11.4	259	178	117	123	250	104	112	135
TOT PCT	10.2	42.2	37.5		.6	.0	- 6 1 0	100.0						100.0			

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT FREQ	MEAN SPD	00	06 09	(GMT) 12 15	1.8 2.1
N	1.7	1.2	.3	.0	.0		3.1	7.7	3.4	2.3	3.9	2.4
NE	3.2	6.3	.6	. 1	.0		10.2	9.6	6.4	16.9	12.2	7.7
E	7.0	13.7	7.2	1.3	.0		29.3	13.0	30.1	36.3	24.9	27.6
e se	5.6	14.3	8.5	1.0	.0		29.4	13.0	33.8	24.0	24.1	34.5
5	3.1	7.7	4.0	.0	.0		14,8	11.9	14.8	10.7	15.4	17.9
SW	2.6	3.7	.7	.0	.0		6.9	9.0	7.0	5.0	8.9	5.9
W	1.6	.6		.0	.0		2.2	6.1	1.8	. 2	4.7	1.3
NW	. 9	.4	.0	.0	.0		1.3	5.5	1.0	1.4	2.3	.6
VAR	.9	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.6						2.6	• 0	1.0	3.3	3.7	2.0
TOT DAS	362	612	273	31	0	1278		11.4	437	240	354	247
TOT PCT	28.3	47.9	21.4	2.4	.0		100.0			100.0	100.0	100.0

PERIOD: (PRIMARY) 1883-1969 (OVER-4LL) 1859-1969

TABLE 4

AREA 0020 BARROW ISLAND 19.95 114.76

PERCENTAGE PREQUENCY OF WIND SPEED BY HOUR (GMT)

Haur	CALM	1-3	4-10	WIND 11-21	SPEFD (34-47	48+	MEAN	PCT	TOTAL
HUUK	CML		4-1-							
				20.0		. 7	. 0	11.9	100.0	437
60300	1.6	8.7	39.1	39.8	10.1		•••			240
90300	3.3	4.6	37.9	44.2	9.2	. 6	.0	12.3	100.0	
					7.1	.6	.0	10.0	100.0	354
12615	3.7	9.9	48.6	30.2						247
18621	2.0	5.3	42.5	37.2	12.6	. 4	. 0	12.0	100.0	
					122	8	0	11.4		1278
TUT	33	97	539	479		33			100 0	
DOT	2 6	7 6	42 2	37.5	9.5	. 6	. 0		100.0	

,	PCT FRE	D DF TO	TAL C	LOUD A	MOUNT (EIGHTHS)		,	ERCEN	AGE F	REQUEN	CY OF	CEILIN NH <5/	G HEIG	HTS (F	T,NH >	14/B)	
WND DIR	0-2	3-4	5-7	8 & 085Cn	TOTAL OBS	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
		-		.0		2.0	.0	.0	.0	.0	. 2	. 2	.0	.0	.0	.0	1.7	
N	1.5	. 2	.7			1.1	.0	.0	.0	.0	. 3	. 4	.0	• 1	.0	.0	8.9	
NE	8.1	. 5				1.2	.0	.0	.0	.0	1.3	.6	.3	. 2	.0	.3	25.8	
E	23.7	1.8	1.9	1.2			.0	.0	. 1	.0	1.6	1.0	. 3	.0	.0	.0	27.5	
SE	24.0	3.2	1.6	1.6		1.4		.0	. 2	.0	.6	. 2	. 2	.0	.0	.0	14.7	
S	11.3	2.1	2.0	. 5		1.8	.0		.0	.3	1.3	.9	.5	.0	.0	.0	4.3	
5 W	3.4	.6	2.7	.6		3.4	.0	.0				.0	.0	.0	.0	.0	.5	
- 2	.5	.0	.0	.0		.0	.0	.0	.0	.0	.0			.0	.0		.6	
NW	.6	.0	.1	.0		1.2	.0	.0	.0	.0	. 1	.0	.0			.0	.0	
	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
VAR						7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		210
CALM	4.1	.6	.0	:0	319	1.5		0	1	1	17	11	4	1	0	1	283	319
TOT DBS		29	30	14		1.0	.0	.0	. 3	. 3	5.3	3.4	1.3	. 3	.0	. 3	88.7	100.0
TET PCT	77.1	9.1	9.4	4.4	100.0													

TABLE 7

CUMULATIVE PCT FREG	OF SIMULTANEOUS OCCU	RRENCE
DF CEILING HEIGHT	(NH >4/8) AND VSBY (NM)

				VSBY (NM)			
CEILING	• DR	. OR	■ OR	= DR	• DR	- nR	• OR	= DR
			>2	>1	>1/2	>1/4	>5UYD	>0
(FEFT)	>10	>5	12	1				
- DR >4500	. 3	.3	.3	.3	.3	. 3	.3	, 3
				.6	.6	.6	.6	. 6
- DR > 4000	.6	.6	.6		1.9	1.9	1.9	1.9
■ DR >3500	1.9	1.9	1.9	1.9				
■ OR >2000	5.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3
				10.6	10.6	10.6	10.6	10.6
■ DR >1000	9.7	10.6	10.6		10.9	10.9	10.9	10.9
• DR >600	10.0	10.9	10.9	10.9				
• DR >300	10.0	10.9	10.9	11.3	11.3	11.3	11.3	11.3
		10.9	10.9	11.3	11.3	11.3	11.3	11.3
 OR >150 	10.0				11.3	11.3	11.3	11.3
• DR > 0	10.0	10.9	10.9	11.3				
TOTAL	22	35	35	36	36	36	36	36

TOTAL NUMBER OF OBS: 320 PCT FREQ NH 45/81 88.8

TABLE 7A

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085CD 085 54.9 15.0 8.9 4.9 3.7 1.2 4.3 3.4 3.7 .0 326

JULY

PERIOD: (PRIMARY) 1883-1969 (DVER-ALL) 1859-1969

TABLE 8

AREA 0020 BARROW ISLAND 19.95 114.7E

ALL!	1859-1969						IA	are a					19
		Р	ERCENT	FREQ	DF WIN	D DIRE	TH VAR	VS DCC	URRENC!	E OR N	IBILI	CURRENC	E DF
VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	. C	.0	.0	.0	.0	.0	.0	.0	
	10T %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<	NO PCP	• 0	.0	. 0	.0	.0	.0	.0	.0	. 0	.0	.0	
-	TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	• 0	• 0	.0		. 1	.0	.0	.0	.0	.0	. 2	
1<2	NO PCP	• 0	.0	.0	. 1	. 1	.0	. 1	. 1	.0	.0	.4	
	TOT %	.0	.0	.0	. 1	. 2	.0	.1	. 1	.0	.0	.5	
	PCP	.0	.0	.0	.0	.0	.2	.0	.0	.0	. 2	.4	
2<5	NO PCP	.0	. 2	. 1	. 2	.0	.0	.0	.0	.0	.0	. 5	
	TOT %	•0	• 2	. 1	. 2	.0	. 2	.0	.0	.0	. 2	. 9	
	PCP	• 0	.0	.2	. ?	. 1	.?	.0	.0	.0	.0	.7	
5<10	NO PCP	1.1	2.0	4.3	3.3	2.3	1.4	.7	. 7	.0	. 2	16.1	
	TOT *	1.1	2.0	4.5	3.5	2.5	1.6	.7	. 7	.0	. 2	16.8	
	PCP	. 1		.0	.2	. ?	.0	.0	.0	.0	.0	.5	
10+	NO PCP	2.0	7.0	22.0	24.2	13.8	6.8	. 8	1.1	.0	3.5	81.3	
	TOT %	2.1	7.1	22.0	24.3	14.0	6.8	. 8	1.1	.0	3.5	81.8	
	TOT OBS												566
	TOT PCT	3.2	9.3	26.6	28.2	16.7	8.6	1.6	1.9	.0	3.9	100.0	

VSBY (NM)	SPD KTS	N	NE	E	SE	S	5 W	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	. 1	. 1	.0	.1	. 2	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	.0	.0	.1	. 1	.0	. 1	. 2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	. 1	.0	. 1	. 1	.0	.0	.0	.0		. 2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 1	.0	. 1	. 1	.0	.0	.0	.0	.0	.2	
	0-3	.0	.0	.1	.0	.0	.0	.1	.1	.0	.0	.2	
1<2	4-10	.1	. 2	. 1	. 1	. 1	.0	.0	.0	.0		.5	
	11-21	. 1	.3	. 2	. 1	. 1	.0	.0	.0	.0		.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT X	.1	.5	.3	. 2	. 1	.0	. 1	. 1	.0	.0	1.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
2 < 5	4-10	.0	. 2	. 1	. 1	.0	. 1	.0	.0	.0		.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 2	. 1	. 1	.0	. 1	.0	.0	.0	.1	.7	
	0-3	.3	.5	.8	. 4	.2	.4	. 2	.2	.0	.4	3.5	
5<10	4-10	1.0	3.6	4.0	4.1	2.5	1.4	1.3	. 5	.0		18.4	
	11-21	.6	1.4	3.2	2.9	2.7	1.1	.6	. 1	.0		12.6	
	22+	.0	. 1	. 9	. 3	. 2	. 3	.0	.0	.0		1.9	
	TOT %	1.9	5.6	9.0	7.7	5.7	3.2	2.2	. 8	.0	. 4	36.4	
	0-3	.6	.5	1.1	1.4	1.0	. 6	.4	. 3	.0	2.5	8.7	
10+	4-10	1.2	2.3	6.9	7.8	4.9	3.4	. 4	.4	.0		27.3	
	11-71	. 3	2.2	7.4	7.5	2.9	. 8	.0	.1	.0		21.3	
	22+	.0	. 2	1.6	1.1	. 7	. 1	.0	.0	.0		3.8	
	TUT \$	2.1	5.3	17.1	17.9	9.4	5.1	. 8	. 8	.0	2.5	61.1	
	TOT DAS												917
7	OT PCT	4.1	11.8	26.4	26.0	15.3	8.4	3.1	1.7	.0	3.2	100.0	

TABLE 10

AREA 0020 BARROW ISLAND 19.95 114.76

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600	1000	2000	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/B	TOTAL
00803	.0	.0	•0	1.3	9.3	6.7	4.0	.0	.0	.0	21.3	78.7	75
06809	.0	.0	•0	.0	5.3	2.6	.0	.0	.0	.0	7.9	92.1	76
12615	.0	.0	•0	.0	3.4	2.3	.0	1.1	.0	.0	6.9	93.1	87
18821	.0	.0	1.2	.0	3.6	2.4	1.2	.0	.0	1.2	9.6	96.4	83
TOT	0	0	1	1	17	11	1.2	.3	0	1 .3	36	285 88.8	321

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
E0300	. 3	.6	• 0	. 9	35.7	62.5	333	00803	.0	.0	1.3	20.0	78.7	75
06609	.0	.0	4.3	.0	31.1	64.6	164	90300	.0	.0	.0	7.9	92.1	76
12615	.0	•0	1.1	1.1	47.9	50.0	280	12815	.0	.0	.0	7.0	93.0	86
18821	.6	•0	1.8	.0	32.7	64.9	171	18821	.0	1.2	1.2	8.4	90.4	83
TOT PCT	.2	.2	13	.6	360 38.0	565 59.6	948 100.0	TOT PCT	.0	.3	.6	34	284 88.8	320 100.0

TABLE 1

TABLE .

	TABLE 13												CABL	t 14						
	PERCE	NT FR	EONENC	Y OF R	ELATIVE	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT F	REQUENC	Y DF W	IND DI	RECTIO	N BY TE	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	60-89	90-100	DBS	FREQ	N	NE	E	SE	5	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.?	.0	.0	.0	.0	1	.2	.0	.0	.0		. 1	.0	.0	.0	.0	.0
80/84	.0	.0	.0	. ?	. 5	.0	. 2	.0	5	. 8	.0	.0	. 3	. 2	.2	.0	. 2	.0	.0	.0
75/79	.0	. 3	.6	3.3	3.0	5.6	1.7	. 2	97	14.7	.4	2.4	4.6	3.4	1.1	. 9	.6	. 7	.0	.6
70/74	.2	. 6	5.2	11.4	13.0	7.0	6.4	2.3	303	45.9	3.3	6.6	10.8	10.6	7.9	3.3	1.9	. 5	.0	1.1
65/69	.0	.3	2.6	7.0	8.3	6.1	3.6		197	29.8	.5	3.2	6.9	8.4	4.5	3.1	1.4	.6	.0	1.2
60/64	.0	.0	.5	1.5	2.7	1.7	. 9	.8	53	8.0	.0	.2	2.3	3.3	1.1	1.0	.0	.2	.0	.0
55/59	.0	.0	.0	.0	.3	.2	.0	. 2	4	.6	.0	.0	. 2	. 3	. 2	.0	.0	.0	.0	.0
TOTAL	1	8	59	155	184	135	84	35	660	100.0										
PCT	. 2	1.2	8.8	23.5	27.9	20.5	12.7	5.3			4.2	12.3	24.9	26.2	15.0	8.4	4.1	1.9	.0	2.9

TABLE 15

	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TEN	AP (DE	GF) B	Y HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	WIN	MEAN	TOTAL	
00803		86	80	71	62	58	56 62	71.0	434 233	
12615	90 81	80	77	71	65	61 58	58	71.2	351	
101	90	84	78	71	64	60	56	70.2	233 1251	

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	DMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
E0300	.0	37.2	23.4	20.3	12.1	6.9	57	231
06609	. 8	46.0	30.2	15.9	5.6	1.6	51	126
12615	.0	25.2	32.0	19.9	17.5	5.3	58	206
18621	.0	27.0	29.4	25.4	12.7	5.6	58	126
TOT	1	230	195	140	87	36	56	689

JULY

PERIOD: (PRIMARY) 1883-1969 (DVER-ALL) 1859-1969

TABLE 17

AREA 0020 BARROW ISLAND 19.95 114.7E

PCT FREQ OF	AIR	TEM	PERAT	JRE (DEG F) AND	THE	DIFFE	RENCE	F FOG (WI (DEG F)	THOUT	PRECIPITATIO	N.3
			*3	MIK-	SCH II								
AIR-SEA	57	61	65	69	73	77	81	85	89	TOT	W	WO	
TMP DIF	60	64	68	72	76	80	84	88	92		FOG	FOG	
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.3	-1	.0	.3	
11/13	.0	.0	.0	.0	.0	.0	.0	.0	.6	2	.0	.6	
9/10	.0	.0	.0	.0	.0	. 3	.0	. 3	.0	2	.0	.6	
7/8	.0	.0	.0	. 3	.6	.0	. 9	. 3	.0	7	.0	2.2	
6	.0	.0	.0	. 3	. 6	.0	.6	.0	.0	5	.0	1.6	
5	.0	.0	.0	. 3	.0	.9	.6	.0	.0	6	.0	1.9	
4	.0	.0	.3	.3	.0	.6	. 3	. 3	. 0	6	.0	1.9	
3 2	.0	.)	.3	.6	. 6	.9	.0	.0	.0	8	.0	2.5	
	.0	.0	. 3	.9	1.9	2.2	.6	. 3	.0	20	.3	5.9	
1	.0	.0	.9	1.9	2.2	. 9	.0	.0	.0	19	.0	5.9	
0	.0	.0	.0	1.9	6.2	2.8	.0	.0	.0	35	.6	10.2	
-1	.0	.3	. 3	1.6	5.0	1.6	.0	.0	.0	28	.0	8.7	
-2	.0	.0	. 9	5.0	2.8	2.2	.0	• 0	.0	35	.0	10.9	
-3	.0	.0	.9	6.8	3.1	.6	.0	.0	.0	37	.0	11.5	
-4	.0	.0	1.9	6.5	2.5	.0	.0	.0	.0	35	.0	10.9	
-5	.0	. 3	.6	4.0	1.9	.0	.0	.0	.0	22	.0	6.8	
-6	.0	.0	1.2	1.9	. 6	.0	.0	.0	.0	12	.0	3.7	
-7/-8	.0	1.2	3.1	2.2	.0	.0	.0	.0	.0	21	.0	6.5	
-9/-10	.0	.9	1.9	.6	.0	.0	.0	.0	.0	11	.0	3.4	
-11/-13	.0	1.6	. 9	. 3	.0	.0	, .0	.0	.0	9	.0	2.8	
-14/-16	. 3	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.3	
TOTAL	1		44		90		10		3		3	319	
		14		114		42		4		322			
PCT	. 3	4.3	13.7	35.4	28.0	13.0	3.1	1.2	. 9	100.0	. 9	99.1	

PERIOD: (DVER-ALL) 1963-1969

				PC	T FREQ	OF WIND	SPEED	(KTS) AND	DIRE	CTION V	ERSUS S	SEA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.5	.4	.0	.0	• 0	. 8		. 5	1.7	.1	.0	.0	.0	2.3
1-2	.0	1.8	.0	.0	.0	• 0	1.8		.0	1.2	.6	.0	.0	.0	1.8
3-4	.0	. 4	.0	.0	.0	.0	.4		.0	. 8	.5	.0	.0	.0	1.3
5-6	.0	. 0	.0	.0	.0	• 0	.0		.0	. 1	1.4	.0	.0	.0	1.6
7	.0	.0	.4	.0	.0	.0	. 4		.0	.0	.6	.1	.0	.0	.7
8-9	.0	.0	.4	.0	.0	.0	. 4		.0	.0	.2	.0	.0	.0	. 2
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.6	1.1	.0	.0	• 0	3.7		.5	3.8	3,5	•1	.0	.0	7.9
HGT	1-3	4-10	11-21	E 27-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.5	.0	.0	•0	.0	2.0		1.0	1.1	.0	.0	.0	.0	2.0
1-2	.0	3.0	1.6	.0	.0	.0	4.5		.0	5.3	1.2	.0	.0	.0	6.5
3-4	.0	3.2	7.9	.8	.)	• 0	12.0		.0	3.1	6.9	.7	.0	.0	10.6
5-6	.0	. 8	6.8	.5	.0	• 0	8.1		.0	.0	5.7	1.0	.0	.0	6.7
7	.0	.0	1.9	1.3	.0	.0	3.2		.0	.0	1.4	.0	.0	.0	1.4
8-9	. ()	.0	. 4	.0	.0	• 0	.4		.0	.0	1.0	.7	.0	.0	1.7
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	. 5	.0	.0	. 5
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	. 0	.0	.0
61-70	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	. 5	8.6	18.5	2.6	.0	.0	30.3		1.0	9.4	16.1	2.9	.0	.0	29.4

AREA 0020 BARROW ISLAND 19.95 114.7E

0.00	 	 	 DIDECTION	VEDCILE	 HETCHTE	. FT	

				PC	T FREQ (F WIND	SPEED	(KTS) AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)			
				5							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6	
1-2	.0	4.1	1.0	.0	.0	.0	5.0	.0	3.3	.0	.0	.0	.0	3.3	
3-4	.0	2.5	1.9	. 8	.0	.0	5.3	.0	1.4	.6	.5	.0	.0	2.5	
5-6	.0	1.0	. 8	.5	.0	.0	2.3	•0	.0	.5	.5	.0	.0	1.0	
7	.0	.0	.0	. 5	.0	.0	. 5	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	. 5	.7	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	• 0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	• 0	.0	• 0	,0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	• 0	. U	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	. ()	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	• (3	.0	• 0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	7.5	4.2	2.5	.0	.0	14.2	.0	5.4	1.1	1.0	.0	.0	7.4	
HGT				22-33	34-47		PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
	1-3	4-10	11-21			48+			.0	.0			.0	.0	PCI
<1	.0	.4	.0	.0	.0	.0	. 4	. a			.0	.0			
1-2	.5	.0	.0	.0	.0	.0	. 5	• 0	.0	.5	.0	.0	.0	.5	
3-4	.0	.0	.0	.0	.0	•0	.0	• 0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0		.0	.0	.0	.5	.0	.0	.0	.0	.5	
8-9	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
	.0	.0		.0		.0	.0	.0	.0	.0		.0	.0	.0	
10-11	.0	.0	.0		.0	.0	.0		.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	• 0	.0	.0	.0	.0				.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	.0	.0	.0			.0	.0		.0	
20-22															
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32 33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32 33-40 41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32 33-40 41-48 49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32 33-40 41-48 49-60 61-70	.0	.0	.0	.0	.0 .0 .0	.00000	.00000	.0	.0000	.0	.0	.000000	.0	.0	
26-32 33-40 41-48 49-60 61-70 71-96	.0	.0	.00.00	.0	.0	.00000000000000000000000000000000000000		.0	.0000000	.0	.0	.0	.0	.0	
26-32 33-40 41-48 49-60 61-70	.0	.0	.0	.0	.0 .0 .0	.00000	.00000	.0	.0000	.0	.0	.000000	.0	.0	94.7

WIND	SPEED	IKTES	VS	SEA	HEIGHT	(FT)
W T	3.550	10121		3-		

HGT								
	0-3	4-10	11-21	22-33	34-47	484	PCT	TOT
<1	7.2	5.7	.5	.0	.0	.0	13.4	003
					.0	.0	23.9	
3-4				2.9	.0	.0	32.1	
5-6				2.4	.0	.0	19.6	
7				1.9	.0	.0	6.7	
8-9				1.4	.0	.0	3.8	
				.0	.0	.0	.0	
				.0	.0	.0	.0	
				. 5	.0	.0	.5	
17-19				.0	.0	.0	.0	
20-22				.0	.0	.0	.0	
23-25				.0	.0	.0	.0	
26-32				.0	.0	.0	.0	
33-40				.0	.0	.0	.0	
41-48				.0	.0	.0	.0	
49-60				.0	.0	.0	.0	
61-70				.0	.0	.0	.0	
				.0	.0	.0	.0	
87+				.0	.0	.0	.0	
								209
TOT PCT	7.7	38.3	45.0	9.1	.0	.0	100.0	
	1-2 3-4 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 49-60 61-70 71-86 87+	1-2 5 3-4 0 7 0 8-9 0 10-11 0 117-19 0 20-22 0 20-32 0 20-32 0 41-48 0 49-60 0 61-70 0 71-80 0 87+ 0	1-2	1-2	1-2	1-2	1-2	1-2

PERIOD: (OVER-ALL) 1949-1969

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13~16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	2.5	11.9	11.5	4.1	. 4	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	83	3
6-7	.0	1.6	7.8	8.6	4.5	2.9	•0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	65	5
8-9	•0	.0	2.5	4.1	4.1	1.6		.0	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	6
10-11	.0	.0	.4	2.9	2.1	2.1	. 4	. 6	.4	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	8
12-13	.0	.0	1.6	4.1	.4	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	5
>13	.0	.0	.0	2.1	. 8	1.2	. 8	. 8	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	8
INDET	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	0
TOTAL	17	33	58	63	30	27	3	7	3	2	0	0	0	0	0	0	0	0	0	243	5
DCT	7.0	13.6	23.9	25.9	12.3	11.1	1.2	2.9	1.2	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1877-1971 (DVER-ALL) 1860-1971

TABLE 1

AREA 0020 BARROW ISLAND 19.85 114.3E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			,	KECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS' BLWG SND	
N NE	5.0	.0	.0	.0	.0	.0	.0	5.0	2.5	.0	.0	.0	2.5	.0	100.0
S E	.7	.0	.0	.0	.0	.0	.0	1.4	0	.0	.0	.0	.0	.0	100.0
SW	1.4	2.7	1.4	.0	.0	.0	.0	5.4	.0	2.7	.0	.0	.5	.0	98.5
W NW VAR	.0	.0	.0	.0	.0	.0	.0	:0	:0	.0	.0	.0	5.5	.0	94.5
CALM	5.3	.0	.0	.0	•0	.0	.0	5.3	.0	.0	.0	.0	5.3	.0	89.5
TOT PCT	1.1	.4	.2	•0	• 0	• C	.2	1.8	.2	.5	.0	.0	.7	.0	96.0

TABLE 2

PERCENT	FREQUENCY	DF	WEATHER	DCCURRENCE	RV	HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	2.1 .0 .0	.4	.4	.0	.0	.0	.0 1.1 .0	3.0 1.1 .0 2.3	.0	.0	.0	.0	2.2		96.6 96.6 98.1 94.2
TOT PCT	1.1	.4	.2	.0	.0	.0	.2	1.8	.2	.7	.0	.0	.7	.0	96.7

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	2.0	• 1	.0	.0	.0		2.7	5.3	3.1	2.6	3.9	3.8	3.4	.5	1.0	2.0
NE	1.2	3.0	1.3	*	.0	.0		5.6	7.8	3.4	7.4	7.7	8.0	7.5	5.2	3.6	1.5
Ε	1.5	6.6	6.2	. 9	.0	.0		15.1	11.2	15.7	18.1	18.0	20.3	12.7	12.6		
SE	1.9	10.A	13.1	2.7	.0	.0		28.6	12.5	28.9	33.9	30.0	31.6				
S	1.3	10.5	11.9	1.7	.0	.0		25.4	11.8	32.0		22.6	14.2		27.6		
SW	1.9	6.2	3.8	.1	.0	.0		11.9	8.6	10.2			6.1	15.5	16.7		
W	. 5	3.2	.9	.0	.0	.0		4.6	7.8	2.0		4.6	11.8	7.1	6.2	1.0	4.7
NW	. 8	2.0	.2	.0	.0	.0		3.0	5.8	2.4			3.3	3.6	3.3	2.0	1.5
VAR	.0	.0	• 0	• 0	.0	. 0		.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.0				• •			3.0	.0	2.3		1.8	.9	4.2	3.8		1.5
TOT OBS	167	564	477	69	0	0	1272	0	10.4	266		114	106	264	105	98	127
TOT PCT	12.7	44.3	37.5	5.4	.0	.0		100.0				100.0					
	16.		3	2.7	. 0	• 0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN	00	06 09	12	18
						000	FREU	310	0.5	09	15	21
N	2.1	.7	.0	.0	.0		2.7	5.3	2.9	3.9	2.6	1.6
NE	2.8	2.2	.6	.0	.0		5.6	7.8	5.1	7.8	6.8	2.4
SE	4.1	7.2	3.8	. 1	.0		15.1	11.2	10.7	19.1	12.7	12.1
SE	5.0	14.7	8.6	. 2	.0		28.6	12.5	31.0		23.4	29.8
5	5.8	13.2	6.4	.0	.0		25.4	11.8	26.3		24.2	
SW	4.7	6.3	.9	.0	.0		11.9	8.6	9.7	7.2	15.9	14.6
N.W	4.0	2.5	.1	.0	.0		4.6	7.8		8.1	6.8	3.1
	2.0	1.1	.0	.0	.0		3.0	5.8	1.9	3.3	3.5	1.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.0						3.0	• 0	3.3	1.4	4.1	2.2
TOT URS	399	609	260	4	U	1272		10.4	458	220	369	225
TOT PCT	31.4	47.9	20-4	. 3	.0		100.0				100.0	

	10	

PERIOD: (PRIMARY) 1877-1974 (DVER-ALL) 1860-1971

TABLE 4 AREA 0020 BARROW ISLAND TABLE 4 19.85 114.3F

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED . 22-33	KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL
00603 06609 12615 18621 TOT	3.3 1.4 4.1 2.2 38	11.8 5.5 12.2 5.8 124	43.0 45.9 46.6 41.8 564	35.2 43.2 33.6 43.1 477	6.8 4.1 3.5 7.1 69	.0	.0000	9.6	100.0 100.0 100.0 100.0	458 220 369 225 1272

			T	ABLE 5														
P	CT FRE			CLOUD A		EIGHTHS)			PERCEN	TAGE F	REQUEN CURREN	CY OF	CEILIN NH <5/	G HEIG B BY W	IND D	RECTI	34/8) 3N	
WIND DIR	0-2	3-4	5-7		TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N NF E SE S	2.0 4.7 9.7 21.7 17.6	1.8 1.7 3.1 3.1	1.2 1.3 1.3 4.4 5.6			3.1 2.1 1.7 1.7 2.4 2.8	.0	.0	.0	.0	.0 .2 2.4 3.2	.7 .8 .2 .9	.2	.2 .0 .2 .1	.00000000000000000000000000000000000000	.0	7.1 12.0 26.7 22.6 6.3	
VAR CALM THT HBS THT PCT	2.7 1.3 .0 1.7 197 65.4	.0 .3 .0 .3 36	1.2	.? .1 .0 .3	301 100.0	2.0 3.5 .0 1.5 2.1	.0	.0	.0	.0	.3 .0 .0 .3 21 7.0	.2 .3 .0 .0 13 4.3	.0 .1 .0 .0 6	.0 .1 .0 .0	.0	.0 .0 .0 .0 .0 2	2.4	301

CUMULATIVE PCT FREQ	OF SIMULTANEOUS OCCURRENCE (NH >4/8) AND VSBY (NM)	ē
D. GETETING HELD		

					VSBY (NM)			
CET	LING	■ DR	• DR	= DR	= DR	= DR	= DR	 OR 	- DR
					>1	>1/2	>1/4	>50YD	>0
(FE	ET)	>10	>5	>2	,,	/./-		,-0.0	
		_		. 7	7	. 7	.7	.7	.7
• UR >		. 7	. /			, ,		1.3	1.3
- DR >	5000	1.3	1.3	1.3	1.3	1.3	1.3		
		3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
• OR >					7.5	7.5	7.5	7.5	7.5
• OR >	2000	7.2	7.5	7.5					
• OR >		13.1	14.1	14.4	14.4	14.4	14.4	14.4	14.4
				15.7	15.7	15.7	15.7	15.7	15.7
• OR >		13.7	15.0			15.7	15.7	15.7	15.7
• OR >	300	13.7	15.0	15.7	15.7				
• DR >		13.7	15.0	15.7	15.7	15.7	15.7	15.7	15.7
					15.7	15.7	15.7	15.7	15.7
• OR >	0	13.7	15.0	15.7					48
				6.0	48	48	48	48	40

TOTAL NUMBER OF OBS: 306 PCT FREQ NH 45/8: 84.3

TABLE 74

PERCENTAGE FREE OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 5 7 8 DBSCD DBS 41.3 21.9 11.9 5.3 4.4 5.9 3.4 2.5 3.4 .0 320

Δ			

							AUG	3031						
PERIOD: (PRIMARY) 1 (DVER-ALL) 1	877-1971 860-1971						TAI	BLE 8				ARE		ARROW ISLAN 85 114.3E
		PE	RCENT	FREQ PREC	OF WIN	D DIRE	CTION TH VAR	VS DCC	URRENC ALUES	E OR N	ON-OCC	URRENC	E DF	
VSBY (NM)		N	NE	€	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	0	.0			
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	PCP	• 0	.0	.0	.0	. 0	.0	.0	.0	.0	.0			
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	. 2	.0	. 2	. 4		
	TOT %	• 0	• 0	.0	.0	.0	.0	.0	.2	.0	. 2	.4		
	PCP	• 0	• 0	.0	.0	. 2	.0	.0	.0	.0	. 2	. 4		
2<5	NO PCP	.0	. 3	. 3	.0	. 5	.0	.0	.0	.0	.0			
	TOT %	• 0	. 3	.3	.0	.7	.0	.0	.0	.0	. 2	1.4		
	PCP	.0	.4	.0	. 2	.0	.0	.0	.0	.0	.0			
5<10	NO PCP	. 2	.7	2.5	2.4	2.5	2.3	1.8	. B	.0	. 5			
	TOT %	• 2	1.1	2.5	2.6	2.6	2.3	1.8	. 8	.0	.5	14.3		
	PCP	.0	.0	.0	.2	.0	.7	.0	.0	.0	.0			
10+	NO PCP	2.8	5.8	10.8	22.4	23.7	10.2	2.5	2.3	.0	2.5			
	TOT %	2.8	5.8	10.8	22.6	23.7	10.9	2.5	2.3	.0	2.5	83.9		
	TOT OBS												558	
	TOT PCT	3.0	7.1	13.5	25.1	27.0	13.2	4.3	3.3	.0	3.4	100.0		

TABLE 9

				PERCEN	T FREQ WITH V	DF WI	ND DIRE	CTION	VS WIN	ND SPE	ED			
VSBY (NM)	SPD KTS	N	NE	8	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	. 2		
<1/2	4-10	.1	• 0	.0	.0	.0	.0	.0	. 1	.0		. 2		
11/2	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	27+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.1	.0	.0	.0	.0	.0	.0	. 1	.0	. 2	. 5		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	• 1	.0	.0	.0	.0	.0	.0	.0		. 1		
20000000	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1		
1<2	4-10	.0	.0	.0	. 2	. 2	.0	. 3	. 2	.0		. 9		
	11-21	.0	.0	. 1	. 2	.0	.1	. 1	. 1	.0		.6		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	.0	. 1	.4	. 2	. 1	.4	.3	.0	. 1	1.6		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1		
245	4-10	.0	• 0	.0	.0	. 5	.0	.0	.0	.0		. 5		
	11-21	.0	. 1	.0	.0	.0	.0	.0	.0	.0		.1		
	22+	.0	. 1	. 2	.0	.0	.0	.0	.0	.0		. 2		
	TOT %	.0	• 2	. 2	.0	.5	.0	.0	.0	.0	. 1	1.0		
	0-3	.2	.6	.0	. 1	. 4	. 9	.5	.4	.0	1.2	4.3		
5<10	4-10	.5	1.5	2.9	3.3	3.5	2.8	2.4	. 9	.0		17.9		
	11-21	.0	• 1	.9	2.4	3.0	2.1	. 6	.0	.0		9,1		
	22+	.0	.0	. 1	. 9	1.1	.0	.0	.0	.0		2.1		
	TOT %	. 7	2.2	3.9	6.7	8.0	5.8	3.5	1.3	.0	1.2	33.3		
	0-3	.7	.9	1.7	7.0	1.4	1.4	. 2	. 8	.0	2.4	11.6		
10+	4-10	1.7	2.3	3.0	5.9	7.3	4.5	1.8	1.0	.0		27.4		
	11-21	. 2	1.3	3.1	6.0	7.7	2.1	.6	. 1	.0		20.9		
	22+	.0	.0	. 5	1.8	1.1	. 1	.0	.0	.0		3.5		
	TOT &	2.5	4.5	8.3	15.7	17.5	8.1	2.6	1.8	.0	2.4	63.5		
	OT DAS												817	
	TOT PET	3.4	7.0	12.5	22.9	26.2	14.0	6.4	3.5	.0	4.2	100.0		

PERIOD: (PRIMARY) 1877-1971 (DVER-ALL) 1860-1971

TABLE 10

AREA 0020 BARROW ISLAND 19.85 114.3E

PERCENT FREQUENCY DE CEILING HEIGHTS (FEET,NH >4/8) AND DCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000*	TOTAL	NH <5/8 ANY HGT	TOTAL
00203	.0	.0	•0	3.3	6.6	5.5	2.2	1.1	.0	.0	18.7	81.3	91
06609	.0	.0	• 0	.0	7.8	1.3	2.6	1.3	.0	1.3	14.3	85.7	77
12815	.0	.0	• 0	1.3	3.9	3.9	1.3	.0	.0	.0	10.5	89.5	76
18821	.0	.0	.0	.0	5.0	5.3	1.3	.0	.0	1.3	16.0	84.0	75
TOT	0	.0	0	1.3	21	13	6	2	0	2	48	271 85.0	319

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	. 9	.0	1.2	1.5	25.9	70.4	324	60300	.0	.0	3.5	16.3	80.2	86
90330	. 8	.0	2.3	•0	27.5	69.5	131	06609	.0	.0	.0	14.5	85.5	76
12615	.0	. 8	2.0	. 8	47.0	49.4	247	12815	.0	.0	1.4	9.7	88.9	72
18821	.0	.0	.7	.7	35.0	63.5	137	18821	.0	.0	1.4	15.3	83.3	72
TOT PCT	.5	.2	13	1.0	284 33.8	528	839 100.0	TOT	.0	.0	1.6	43 14.1	258 84.3	306 100.0

TARLE 1

TABLE 1

				1,	ARLE 1.	,									TABL	E 14				
	PERCE	ENT FR	EQUENC	Y OF R	LATIVE	HUMIC	SITY BY	Y TEMP	TOTAL	PCT		PERC	ENT FF	REQUEN	Y OF	IND DI	RECTIO	N BY T	E MP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	.2	.0	.0	.0	1	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2
80/84	.0	.0	.0	.0	.0	. 2	.0	.0	1	. 2	.0	.0	.0	.0	. 2	.0	.0	.0	.0	.0
75/79	.0	. 2	. 5	2.1	4.3	4.3	2.3	. 5	92	14.1	.8	1.3	2.7	3.9	2.1	1.4	.6	1.0	.0	. 3
70/74	. 2	. 3	3.1	8.4	13.0	12.2	10.2	4.6	340		2.2	3.9	7.4	9.3	12.0	7.0	5.9	2.4	.0	1.8
65/69	.0	. 5	1.4	5.0	5.5	7.2	5.5	2.8	182		.5	1.1	1.3	8.6	9.7	4.6	. 4	. 3	.0	1.2
60/64	.0	.0	. 3	. 8	1.2	1.2	1.1	. 9	36		.0	.0	.2	1.7	2.3	1.0	.0	.0	.0	.3
55/59	.0	.0	.0	.0	.0	. 0	. 2	. 2	2	.3	.0	.0	.0	.0	.0	. 2	.1	.0	.0	.0
TOTAL	1	6	34	107	158	164	126	58	654	100.0			• •					. 0		• •
PCT	. 2	.9	5.2		24.2	25.1	19.3				3.5	6.3	11.6	23.5	26.2	14.3	7.1	3.7	.0	3.8

TARLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	R
HOUR (GMT)	MAX	99%	95%	50%	5%	1 %	WIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTA
00603	87 84	82 81	79 78	72 73	63	66	58 62	71.5	462	00603	.0	23.8	22.1	25.0	19.6	9.6	71	240
12615	84	79	77 76	72 71	66	64	63	71.8	371	12815	.0	12.9	22.0	29.2	25.4	10.5	74	209
TOT	87	81	77	72	65	61	58	71.7	1277	T01	1	150	162	169	132	51	71	118 675

AUGUST

PERIOD: (PRIMARY) 1877-1971 (DVER-ALL) 1860-1971

TABLE 17

AREA 0020 BARROW ISLAND 19.85 114.3E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

,,	W. T. U	SCH I			-					
AIR-SEA	61	65	69	73	77	81	TOT	W	WO	
TMP DIF	64	68	72	76	80	84		FOG	FOG	
11/13	.0	.0	.0	.0	.0	. 3	1	.0	.3	
9/10	.0	.0	.0	.0	. 6	.0	2	.0	.6	
7/8	.0	.0	.3	1.0	. 3	1.0	8	.0	2.6	
	.0	.0	.6	.0	.0	.6	4	.0	1.3	
6	.0	.6	.3	1.0	.6	. 3	9	.0	2.9	
2	.0	.0	.0	.6	1.3	1.0	9	.0	2.9	
3 2 1 0	.0	1.0	.6	1.6	1.0	.0	13	.0	4.2	
2	.0	.3	.6	4.5	1.9	.0	23	.0	7.3	
1	.0	.0	1.3	3.5	1.6	.0	20	.0	6.4	
2	.3	.0	1.9	4.2	1.6	.0	25	.0	8.0	
-1	.0	.6	3.8	8.0	.3	.0	40	.0	12.F	
-2	.0	1.0	6.7	5.1	.6	, 3	43	.0	13.7	
-3	.3	.3	4.5	3.8	.0	.0	28	.0	8.9	
			4.2	1.5	.3	.0	22	.0	7.0	
-4	.0	1.0	5.4	.3	.0	.0	27	.0	8.6	
-5	. 3	2.5			.0	.0	16	.0	5.1	
-6	.0	2.2	2.9	.0		• 0			3.5	
-7/-8	.0	2.2	.6	.6	.0	.0	11	.0	2.6	
-9/-10	.6	1.3	.6	.0	.0		4	.0		
-11/-13	. 3	. 6	.3	.0	.0	.0	*	.0	1.3	
TOTAL	6		109		32	100		0	313	
100		43		112		11	313			
PCT	1.9	13.7	34.8	35.8	10.2	3.5	100.0		100.0	

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	. 4	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.4	.0	.0	.0	.0	1.4	.0	2.1	.0	.0	.0	.0	2.1
3-4	.0	. 4	.0	.0	.0	.0	. 4	.0	1.0	1.6	.0	.0	.0	2.6
5-6	.0	.0	.4	.0	.0	.0	. 4	.0	. 5	1.5	.0	.0	.0	2.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9-9	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	. 5
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.1	. 4	.0	• 0	.0	2.5	.0	3.6	3.6	.0	.0	.0	7.3
				E							SF			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	• 0	.0	.0	1.0	. 6	.0	.0	.0	.0	1.6
1-2	.0	2.0	.5	.0	.0	.0	2.5	.0	7.4	.5	.0	.0	.0	7.9
3-4	.0	. 4	4.8	1.5	•0	.0	6.7	.0	1.1	6.2	1.5	.0	.0	8.8
5-6	.0	.0	3.4	.5	• 0	.0	3.9	.0	.6	6.0	2.0	.0	.0	8.7
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	1.5	.0	.0	3.5
8-9	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.5	.0	.0	.5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	• 0	.0	. C	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.4	8.7	2.0	.0	.0	13.1	1.0	9.8	14.7	5.5	.0	.0	31.0

A	ı	-	11	•

PERIOD: (DVER-ALL) 1963-1971

TABLE 18 (CONT)

AREA 0020 BARROW ISLAND 19.85 114.3E

	PC	T FRED	OF W1	IND SPEED	(KTS) AND	DIRE	CTION V	ERSUS S	FA HEIG	HTS (FT)			
	5								SW				
-21	22-33	34-47	46	B+ PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
.0	.0	.0		.0 .0		.0	. 1	.0	.0	.0	.0	.1	
3.4	.0	.0		.0 8.4		.5	1.9	1.1	.0	.0	.0	3.5	
5.2	.0	.0		.0 7.7		.0	2.5	.9	.0	.0	.0	3.4	
8.2	.9	.0		.0 9.4		.0	.0	- 0	. 1	. 0	- 0	1	

				5							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	. 9	.0	.0	.0	.0	.0	.0	. 1	.0	.0	.0	.0	.1	
1-2	.0	5.0	3.4	.0	.0	.0	8.4	.5	1.9	1.1	.0	.0	.0	3.5	
3-4	.0	2.5	5.2	.0	.0	• 0	7.7	.0	2.5	.9	.0	.0	.0	3.4	
5-6	.0	. 4	8.2	.9	.0	.0	9.4	.0	.0	.0	. 1	.0	.0	. 1	
7	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	
9-9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	. 1	
10-11	.0	.0	.5	.5	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	. U	.0	.0	.0	.0	.0	
TOT PCT	.0	8.8	18.2	1.4	.0	.0	28.4	.5	4.0	2.0	. 1	.0	.0	7.3	
				p p							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3	.5	. 8	.0	.0	.0	.0	1.3	
1-2	.0	1.3	.0	.0	.0	• 0	1.3	.5	.5	.0	.0	.0	.0	1.0	
3-4	.0	1.0	.0	.0	• 0	.0	1.0	.0	.6	.0	.0	.0	.0	.6	
5-6	.0	.0	.5	.0	.0	.0	.5	.0	.0	. 1	.0	.0	.0	. 1	
7	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.4	.0	.0	.0	• 0	. 4	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	,0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0	• 0	.0	.0	.0	. 0	.0	.0	
61-70	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.9	.5	.0	.0	.0	4.4	1.0	1.9	.1	.0	.0	.0	3.0	97.0

- 9	GNIH	SPEED	(KTS)	V5	5EA	HEIGHT	(FT)	

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	5.0	4.0	-0	.0	.0	.0	9.0	003
				.0	.0	.0	28.0	
3-4		9.5		3.0	.0	.0	31.0	
5-6				3.5	.0	.0	25.0	
7				1.5	.0	.0	4.5	
8-9				. 5	.0	.0	1.0	
10-11				.5	.0	.0		
12				.0	.0	.0	.0	
13-16				.0	.0	.0	.0	
17-19				.0	.0	.0	.0	
20-22				.0	.0	.0	.0	
23-25				.0		.0	.0	
26-32				.0	.0	.0	.0	
33-40				.0	.0	.0	.0	
41-48		.0		.0			.0	
49-00		. 0		.0		.0	.0	
61-70				.0		.0	.0	
71-86				.0		.0	.0	
87+	.0	.0		.0	.0	.0	.0	
								200
TOT PCT	6.0	37.0	48.0	9.0	.0	.0	100.0	
	<pre><1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-00 61-70 71-86 87+</pre>	\$\begin{array}{cccccccccccccccccccccccccccccccccccc	C1 5.0 4.0 1-2 1.0 21.5 3-4 .0 9.5 5-6 .0 1.5 7 .0 .0 6.5 10-11 .0 .0 12 1-15 10-11 .0 .0 12 1-15 10-11 .0 .0 12 1-15 10-11 .0 .0 12 1-15 10-11 .0 .0 12 1-15 10-10 .0 .0 17-19 .0 .0 .0 12-3-25 .0 .0 .0 26-32 .0 .0 .0 33-40 .0 .0 .0 41-48 .0 .0 .0 449-00 .0 .0 .0 51-70 .0 .0 .0 71-86 .0 .0 .0 87+ .0 .0	(1 5.0 4.0 .0 .0 .1-2 1.0 21.5 5.5 3-4 .0 9.5 18.5 5-6 .0 1.5 20.0 7 .0 .0 3.0 8-9 .0 .5 .0 .0 12 .0 .0 12 .0 .0 .0 12 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	\$\begin{array}{cccccccccccccccccccccccccccccccccccc	\$\begin{array}{cccccccccccccccccccccccccccccccccccc	\$\begin{array}{cccccccccccccccccccccccccccccccccccc	\$\begin{array}{cccccccccccccccccccccccccccccccccccc

PERIOD: (DVER-ALL) 1951-1971 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.2	7.5	17.0	8.3	4.6	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	97	4
6-7	.0	.0	5.0	12.0	2.9	2.9	1.7	. 8	. 4	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	62	6
9-9	.0	.0	2.1	3.3	4.1	1.2	1.7	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	7
10-11	.0	.0	. 8	2.9	.0	.0	.0	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	5
12-13	.0	.0	1.7	1.7	. 4	. 8	. 8	. 4	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	7
>13	. C	.0	.0	.0	. 8	.0	.0	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
INDET	2.9	1.2	. 4	2.5	1.2	. 4	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	21	3
TOTAL	10	21	65	74	34	17	10	7	3	0	0	0	0	0	0	0	0	0	0	241	5
PCT	4.1	8.7	27.0	30.7	14.1	7.1	4.1	2.9	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1883-1971 (OVER-ALL) 1859-1971

TABLE 1

AREA 0020 BARROW ISLAND 19.95 114.5E IRECTION

PEPCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATION	TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUS' BLWG SND	
N NE	.0	.0	.0	.0	•0	.0	.0	.0	.0	5.3	.0	.0	.0	.0	94.7
E SE	.0	1.6	.0	.0	•0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	100.0
S	.4	1.7	.0	.0	.0	.0	.0	2.1	.0	2.3	.0	.0	.0	.0	97.4
W	6.8	3.0	.0	.0	.0	.0	.0	3.0	.0	5.9	.0	.0	2.0	.0	89.2
VAR CALM	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT TOT OBS:	636	1.3	.0	.0	•0	.0	.0	1.6	.0	1.6	.0	.0	.3	.0	96.5

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			,	KECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA		
HOUR (GAT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FDG WD	FOG WO	SMOKE	SPR BLWG		ND SIG
						PCPN					PCPN	PAST HR		BLWG	SNON	WEA
00603	.4	1.3	.0	.0	.0	.0	.0	1.7	.0	.4	.0	.0	.4		.0	97.4
90380	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12815	. 5	2.1	.0	.0	• 0	.0	.0	2.6	.0	2.6	.0	.0	.5		.0	94.3
18821	.0	. 8	.0	• 0	• 0	.0	.0	.8	.0	4.1	.0	.0	.0		.0	95.0
TOT PCT	.3	1.2	.0	.0	•0	.0	.0	1.5	.0	1.7	.0	.0	. 3		.0	96.5

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FREQ	SPD	00	03	06	09	12	15	18	21
N	.4	1.0	• 1	.0	.0	.0		1.5	5.5	.9	2.4	.0	. 9	3.2	2.7	.0	. 5
NE	. 5	1.5	. 5	.0	.0	.0		2.5	7.6	1.2	4.9	.2	8.8	2.1	2.2	. 4	1.5
Ε	1.1	2.9	2.6	.6	.1	.0		7.2	10.7	6.5	8.6	11.4	11.6	4.9	8.1	5.5	5.5
SE	.6	6.9	8.5	1.2		.0		17.7	13.1	23.4	17.7	22.0		13.0	14.0		18.7
S	2.2	15.4	12.5	2.2		.0		32.4	11.2	39.7	32.6	32.2	23.1	30.7	22.0	37.2	31.5
SW	1.9	12.8	10.5	. 7	.0	.0		25.9	10.3	21.5	21.6		27.3	27.9	34.4		
W	1.3	4.4	1.8	.1	.0	.0		7.6	8.5	5.1	7.0		6.5	10.5	10.2		6.5
NW	. 5	1.6	.6	.0	.0	.0		2.7	7.8	.8	3.6	3.0	5.1		2.2		1.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
CALM	2.3							2.3	.0	.7	1.7	2.8	. 9	2.9	4.3		1.5
TOT DES	138	589	469	60	8	0	1264		10.5	268	175	107	108	274	93		125
TOT PCT	10.9	46.6	37.1	4.7	.6	.0	-	100.0		100.0				100.0			

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS)	41+	TOTAL	PCT	MEAN	00	HOU!	R (GMT)	18
						DBS	FREQ	SPD	03	09	15	21
N	1.0	.5	. C	.0	.0		1.5	5.5	1.5	.5	3.1	.0
NE	1.2	1.2	. 2	.0	.0		2.5	7.6	2.7	4.5	2.1	1.0
E	2.6	3.0	1.3	. 3	.0		7.2	10.7	7.3	11.5	5.7	5.5
E SE	3.9	8.3	4.7	.4	. 4		17.7	13.1	21.2	18.8	13.3	17.3
S	8.1	17.3	6.7	. 2			32.4	11.2	36.9	27.7	28.5	34.2
SW	7.4	14.9	3.5	. 2	.0		25.9	10.3	21.5	24.0	29.6	30.4
NIM	2.9	3.9	. 8	.0	.0		7.6	8.5	5.9	7.1	10.4	7.0
NW	1.2	1.3	. 2	.0	.0		2.7	7.8	1.9	4.1	4.0	1.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.3						2.3	• 0	1.1	1.9	3.3	3.3
TOT DBS	388	638	220	13	5	1264		10.5	443	215	367	239
TOT PCT	30.7	50.5	17.4	1.0	. 4		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1883-1971 (UVER-ALL) 1859-1971

TABLE 4

AREA 0020 BARROW ISLAND 19.95 114.5E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEFD (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21		34-47	48+	MEAN	FREQ	DBS
00403	1.1	13.5	44.5	35.4	4.5	.9	.0	10.3	100.0	443
06609	1.9	4.2	43.3	45.1	4.7	. 9	.0		100.0	215
12615	3.3	9.0	52.3	32.2	3,3	.0	.0		100.0	367
14621	3.3	2.9	44.8	40.6	7.5	. 8	.0		100.0	239
TOT	29	109	589	469	60	8	0	10.5		1264
PCT	2.3	8.0	46.6	37.1	4.7	. 6	.0	1500	100 0	

TABLE 5

,	CT FRE			CLOUD A		EIGHTHS)		1	PERCEN	TAGE F	REQUEN	CY DF	CEILIN NH <5/	G HEIG	HTS (T,NH :	94/8) ON	
WND DIR	0-2	3-4	5-7	8 &	TOTAL OBS	CLOUD COVER	000 149	150 299	300 599	600	1000	2000	3500 4999	5000 6499		8000+		
N	1.0	.0	.0	.0		. 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
NF	. 1	.0	.0	.0		. 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
E	2.2	.0	1.4	.0		2.5	.0	.0	.0	. 3	.0	.0	.0	.0	.0		2.8	
SF	13.2	1.4	2.7	.6		1.6	.0	.0	.0	.6	.4	.6	.0	.0	.3	.6	15.4	
S	29.0	4.0	2.3	. 3		1.0	.0	.0	.0	. 3	.8	.0	.3	• 0	.0	.6	33.7	
SW	20.9	3.3	2.5	.0		1.1	.0	.0	.0	.3	.3	.3	.0	.0		• • •		
W	7.7	1.2	.0	. 0		.7	.0	.0	.0	.0					.0	• 1	25.7	
NW	2.0	.0	. 3	.0		1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
VAR	.0	.0	.0	. 0		.0	.0	.0	.0	.0	.0			• 0	.0	.0	2.2	
CALM	4.0	.0	.0	.0		.0		.0	.0	.0		.0	.0	• 0	.0	.0	.0	
TUT OBS	277	34	32	• 3	346	1.2	.0	.0	. 0		.0	.0	.0	• 0	.0	.0	4.0	
TUT PCT	80.1	9.8	9.2	. 9	100.0	1.2	0		0		. 5	3	1	0	1	6	325	345
			,	• *	100.0		.0	.0	.0	1.4	1.4	. 9	• 3	• 0	.3	1.7	93.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING PEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CEILING	 DR 	= UR	= DR	= OR	= DR	= DR	= DR	• DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
■ DR >5000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
■ DR >3500	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
■ DR >2000	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
 DR >1000 	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
■ UR >600	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
■ DR >300	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
■ DR >150	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
• DR > 0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
TOTAL	21	21	21	21	21	21	21	21

TOTAL NUMBER UF OBS: 356 PCT FREQ NH 45/81 94.1

TABLE 7A

PERCENTAGE FREW OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSC0 0BS 61.3 18.6 5.7 5.2 3.6 1.5 2.1 1.5 .5 .0 388

S	c	D	Ŧ	c	M	R	£	R	

							SEP	TEMBER						
RIMARY) 1							TAI	BLF 8				ARE		BARROW ISLA .95 114.5F
		PI	RCENT				CTION TH VAR						E OF	
VSBY (NM)		N	HE	€	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL	
<1/2	PCP NO PCP TOT %	.0	.0	.0.	.0	.0	.0	.0	.0	.0	.0	.0		
1/261	PCP NO PCP	•0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	NO PCP	•0	.0	.0	.0	0.	.2	.0	.0	.0	.0	.0		
2<5	PCP ND PCP TOT %	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.3 1.3		
5<10	PCP ND PCP	•0	.0	.0	1.0	.2	4.3	1.7	.2	.0	.0	13.2		
10+	PCP NO PCP	.0	.0	.0	1.0	4.2	.1	1.8	* 1.4	.0	.0			
	TOT %	1.1	. 6	4.2	14.1	31.8	22.6	6.0	1.5	.0	2.8	84.9	636	
	TOT PCT	1.5	1.3	4.9	15.2	36.7	27.3	8.0	2.3	.0	2.8	100.0	- 50	

TAPLE 9

VSBY	SPD	N	NE	E	SE	5	SH	W	NW	VAR	CALM	PCT	TOTAL
(MM)	KTS												DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	. C	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	. 1	.0	.0	.0	.0		. 1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	. 1	.0	.0	.0	.0	.0	. 1	
	0-3	.0	• 1	.1	.0	.0	.0	.0	.0	.0	.0	.1	
1<2	4-10	. 1	. 2	. 1	. 1	. 1	. 4	. 3	.0	.0		1.2	
	11-21	.0	• 1	. 1	.0	.0	. 3	. 2	.0	.0		. 5	
	22+	.0	.0	.0	.0	. 1	.0	.0	.0	.0		.1	
	TOT %	. 1	.3	. 2	. 1	. 2	.7	. 4	.0	.0	.0	1.9	
	0-3	.0	.0	.0	.0		.1	. 1	.0	.0	.0	.2	
2<5	4-10	.0	.0	.0	. 1	. 3		.0	.0	.0		.4	
	11-21	.0	.0	.0	.0	.4	.0	.0	.0	.0		. 2	
	22+	.0	• 0	.0	.0	. C	. 0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	. 1	. 5	. 1	. 1	.0	.0	.0	.9	
	0-3	.3	.2	.2	.1	.3	.3	.8	. 2	.0	.4	2.9	
5<10	4-10	. 8	1.1	. 8	1.6	4.5	4.9	1.9	. 8	.0		16.2	
	11-21	.0	.4	. 7	1.5	2.7	4.6	1.0	. 3	.0		11.1	
	22+	.0	. 0	.0	.1	.5	. 2	. 1	.0	.0		1.0	
	TOT %	1.1	1.7	1.7	3.3	8.0	10.0	3.8	1.3	.0	. 4	31.2	
	0-3	.3	.3	.7	.5	2.5	2.0	.9	.2	.0	2.4	9.8	
10+	4-10	.4	.5	1.3	5.5	10.5	8.9	3.4	1.2	.0		31.6	
	11-21	. 1		1.0	4.2	9.2	6.1	. 9	- 1	.0		21.7	
	22+	.0	.0	. 2	. 3	1.6	.7	.0	.0	.0		2.9	
	TOT %	. 8	. 8	3.2	10.6	23.8	17.7	5.1	1.6	.0	2.4	65.9	

PERIOD:	(PRIMARY)	1883-1971
	(DVER-ALL)	1859-1971

TABLE 10

AREA 0020 BARROW ISLAND 19.95 114.5E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	.0	3.0	3.0	.0	.0	.0	1.0	3.0	9.9	90.1	101
05809	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	2.3	4.5	95.5	8.8
12815	.0	.0	• 0	1.0	1.0	.0	.0	.0	.0	1.0	3.0	97.0	100
18621	.0	.0	•0	.0	1.0	2.0	1.0	, 0	.0	•0	4.1	95.9	98
TOT	0	.0	0	1.3	1.3	.8	.3	.0	. 3	1.6	5.4	366 94.6	387

TABLE 11

TABLE 12

		PERCENT,	FREQUE	ICY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	+01	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.3	1 • 4	.6	30.0	67.7	347	00603	.0	.0	3.5	8.2	88.2	8.5
06809	.0	.0	2.1	.0	24.8	73.1	145	06809	.0	.0	1.1	3.4	95.4	87
12615	.0	.0	3.4	2.1	39.5	55.0	291	12815	.0	.0	1.1	2.2	96.7	92
18621	.0	.0	•0	.0	29.1	70.9	179	18621	.0	.0	.0	4.3	95.7	92
TOT	0	1	18	8	307	628	962	TOT	0	.0	1.4	16	335 94.1	356 100.0

TABLE 14

						MU-C I	-														
		PERCE	NT FRE	EQUENC	Y OF R	ELATIV	E HUMI	DITY BY	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTION	BY T		
1	TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	85/89	.0	.0	.0		.0	.1	.0	.0	1	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
	30/84	.0	. 1	. 3	. 7	1.2	. 5	.4	.1	25	3.3	.0	. 2	. 2	. 6	1.1	. 7	. 3	.1	.0	.0
	75/79	.0	.0	1.3	3.5		10.2	4.7	1.6	226	29.5	1.2	1.5	2.3	4.5	6.6	7.8	2.6	1.6	.0	1.3
	70/74	.0	.1	1.6				14.1	5.5	349		. 8	1.1	1.6	4.6	14.0	15.0	5.5	1.0	.0	2.0
	65/69	.0	.0	. 3			6.0	3.8	1.6	126	16.4	. 1	. 2	. 4	2.8	7.4	4.8	. 5	.1	.0	. 1
	60/64	.0	.0	.0			. 9	1.4	.5	30		.0	.0	.0	. 6	1.4	1.2	. 4	.1	.0	.0
	55/59	.0	.0	.0			. 8	.1	.1	8	1.0	. 1	.0	. 1	.1	. 3	.1	. 2	. 2	.0	.0
	50/54	.0	.0	.0			.0	.1	.0	1	. 1	.0		. 1	.0	.0	.0	.0	.0	.0	.0
	TOTAL	0	2	26			241	189	72	766	100.0										
	PCT	.0	.3	3.4			31.5	24.7	9.4			2.3	3.0	4.8	13.4	30.7	29.6	9.6	3.2	•0	3.4

TARLE 15

TABLE 16 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) P	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	R
HOUR	MAX	994	95%	50%	5%	1%	WIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00.00		84	81	73	64	57	52	72.9	445	00603	.0	17.7	22.9	29.2	22.6	7.5	72	288
0560	85	84	81	75	70	67	65	74.9	210	90300	.0	18.6	39.8	32.2	9.3	.0	58	118
1261	5 85	62	79	73	67	62	56	73.1	370	12615	.0	3.8	15.9	31.8	33.5	15.1	78	239
1552		78	77	72	66	54	63	71.6	244	18821	.0	8.7	17.3	35.3	27.3	11.3	76	150
107	85	84	80	73	66	61	52	73.0	1259	101	0	95	177	251	197	75	74	795

PERIOD: (PRIMARY) 1883-1971 (DVEK-ALL) 1859-1971

TABLE 17

AREA 0020 BARROW ISLAND 19.95 114.5E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	61	65	69	73	77	81	85	TOT	W	WD
TMP DIF	64	68	72	76	80	84	88		FDG	FOG
11/13	.0	.0	.0	.0	.3	.0	. 3	2 2	.0	.5
9/10	.0	.0	.0	.3	.0	. 3	.0	2	.0	. 5
7/8	.0	.0	. 5	. 3	.0	1.4	.3		.0	2.5
6	.0	.0	. 3	.5	.3	. 3	.0	9 5 7	.0	1.4
5	.0	. 5	.0	.3	1.1	.0	.0	7	.0	1.9
4	.0	. 3	.3	.5	1.1	. 8	.0	11	.0	3.0
3	.0	.0	.0	1.6	1.6	1.4	.0	17	.0	4.7
3 2 1 0	.0	.0	.3	4.4	1.9	1.4	. 3	30	.0	8.2
1	.0	.0	. 8	3.3	2.7	.0	.0	25	.0	6.9
0	. 3	.0	3.3	8.2	3.0	. 8	.0	57	.0	15.7
-1	.0	. 3	3.8	8.2	1.9	.0	.0	52	.0	14.3
-2	.0	.0	6.6	8.0	. 5	. 3	.0	56	.0	15.4
-3	.3	.3	5.5	1.9	,5	.0	.0	31	.0	8.5
-4	.0	. 5	2.7	2.5	.0	.0	.0	21	.0	5.8
-5	.0	. 8	1.6	1.1	. 3	.0	.0	14	.0	3.8
-6	.0	1.9	1.4	.5	.3	.0	.0	15	.0	4.1
-7/-8	.5	. 5	.5	.5	.0	.0	.0		.0	2.2
-9/-10	.5	.0	.0	.0	.0	.0	.0	8 2	.0	. 5
TOTAL	6		101		57		3		0	364
0.50.00.20		19		154		24		364		
PCT	1.6	5.2	27.7		15.7	6.6	.8	100.0		100.0

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 22-33 HGT <1 -- 24 5 -- 6 7 -- 8 -- 9 10 -- 11 12 13 -- 16 17 -- 19 22 -- 23 -- 25 24 -- 24 41 -- 48 49 -- 60 71 -- 86 TOT 1 -- 11-21 1-3 4-10 34-47 1-3 -47 48+ 34-47 HGT <1 1-2 3-4 5-6 7 7 8-9 10-11 12 13-16 17-19 70-22 23-25 33-40 41-48 49-60 12-70 71-86 + 70 71-86 + 70 71-86 + 70 71-86 48+ PCT 4 1 . 5 2 . 4 4 . 8 8 . 0 0 . 0 1-3 11-21 1.0 1.0 3.1 1.1 8.8 .0 .0 .0 .0 .0 .0

S	c	0	-	-			c	0
ာ	E			c	m	ь	с	п

PERIOD: (UVER-ALL) 1963-1971

TABLE 18 (CONT)

AREA 0020 BARROW ISLAND 19.98 114.5E S (FT)

TOP	FOFO	ne	WIND	SPEED	IKTSI	AND	DIRECTION	VERSUS	SEA	HETCHTS	(FT)

					T PREQ D				, I IUN						
				5							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.6	1.6	.0	.0	•0	.0	2.2	.2	.5	.0	.0	.0	.0	.7	
1-2	.0	7.2	2.5	.0	• 0	• 0	9.7	.4	5.9	3.0	.0	.0	.0	9.3	
3-4	.0	2.5	9.0	.0	• 0	.0	11.5	.0	2.6	6.2	.0	.0	.0	8.8	
5-6	.0	. 3	5.3	. 8	.0	.0	6.4	.0	.5	4.7	.4	.0	.0	5.6	
7	.0	.0	2.6	.7	• 0	.0	3.3	.0	.0	1.0	.0	.0	.0	1.0	
8-9	.0	.4	1.5	1.5	.0	.0	3.4	.0	.0	. 1	. 9	.0	.0	1.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
76-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0.	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.6	12.0	20.8	3.0	.0	.0	36.4	.6	9.5	15.0	1.3	.0	.0	26.4	
				Ú.							NW				TOTAL
нст	1-3	4-10	11-21	W 22-33	34-47	484	PCT	1-3	4-10	11-21	NW 22-33	34-47	484	PCT	TOTAL
HGT	1-3	4-10	11-21	W 22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	1.5	.0	.0	•0	•0	1.5	•0	.4	.0	22-33	.0	.0	. 4	PCT
<1 1-2	.0	1.5	.0	.0	•0	•0	1.5	.0	.7	.0	22-33	.0	.0	:4	TOTAL PCT
<1 1-2 3-4	.0	1.5	.3	.0	.0	•0	1.5 5.5 1.9	•0	.7	.0	22-33 .0 .0	.0	.0	.7	TOTAL PCT
<1 1-2 3-4 5-6	.0	1.5 4.8 1.6	.3	.0	.0	•0	1.5 5.5 1.9 1.1	.0	.4	.0	22-33	.0	.0	.4	PCT
<1 1-2 3-4 5-6 7	.0	1.5 4.8 1.6 .4	.0	.0	.0	.0	1.5 5.5 1.9 1.1	.0	.4	.0	22-33	.0	.0	.4	PCT
<1 1-2 3-4 5-6 7 8-9	.0	1.5 4.8 1.6 .4	.3	.0	.0	.0	1.5 5.5 1.9 1.1	.0	.4	.0	22-33	.00	.0	.4	PCT
<1 1-2 3-4 5-6 7 8-9 10-11	.0	1.5 4.8 1.6 .4 .0	.3	.0	.0	.0	1.5 5.5 1.9 1.1 .0	.0	.4	.0	22-33	.0	.0	.4	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11	.0	1.5 4.8 1.6 .4 .0 .0	.3	.0	.0	.00	1.5 5.5 1.9 1.1 .0 .0	.0	.4 .7 .0 .0 .0 .0 .0 .0	.0	22-33	.0	.0	.4	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16	.04	1.5	.0	.0	.0	.0	1.5 5.5 1.9 1.1 .0 .0	.0	.4 .7 .0 .0 .0 .0 .0 .0 .0	.0	22-33	.0	.0	.4	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19	.0 .4 .0 .0 .0 .0 .0 .0 .0	1.5	.0	.0	.0	.0	1.5 5.5 1.9 1.1 .0 .0 .0	.0	.47.00000000000000000000000000000000000	.0	22-33	.0	.0	.4	PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	.0	1.5	.3 .7 .0 .0 .0 .0 .0 .0	.00	.0	.0	1.5 5.5 1.9 1.1 .0 .0 .0	.0	.4 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	004400000000000000000000000000000000000	22-33	.0	.0	.4 .7 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.0	1.5	.3 .7 .0 .0 .0 .0 .0 .0 .0 .0	.00	.0	000000000000000000000000000000000000000	1.5 5.5 1.9 1.1 .0 .0 .0	.0	.4 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	004400000000000000000000000000000000000	22-33	.0	.0	.4	PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.04.00000000000000000000000000000000000	1.5	.0 .3 .3 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00000000000000000000000000000000000000	.0	000000000000000000000000000000000000000	1.5 5.5 1.9 1.1 .0 .0 .0 .0 .0	.0	.4	004400000000000000000000000000000000000	22-33	.0	.00.00.00.00.00.00.00.00	.4	PCT
1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	040000000000000000000000000000000000000	1.5	.0 .3 .3 .7 .0 0 .0 0 .0 0 .0 0 .0 0 .0	.00	.0	000000000000000000000000000000000000000	1.5 5.5 1.9 1.1 .0 .0 .0 .0 .0 .0	.0	.4	004400000000000000000000000000000000000	22-33	.00000000000000000000000000000000000000	.00	.4	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 20-22 26-32 33-40 41-48	.0 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.5		.00000000000000000000000000000000000000	.0	.00000000000000000000000000000000000000	1.5 5.5 1.9 1.1 .0 .0 .0 .0 .0	.0	.4	004400000000000000000000000000000000000	22-33	.00	.00000000000000000000000000000000000000	.4	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	.0 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.5	033		.0	000000000000000000000000000000000000000	1.5 5.5 1.9 1.1 .0 .0 .0 .0 .0	.0	.4 .77 .00 .00 .00 .00 .00 .00 .00 .00 .00	004000000000000000000000000000000000000	22-33	.00		.4	TOTAL PCT
1 1 2 3 - 4 5 - 6 7 8 - 9 10 - 11 12 13 - 16 17 - 19 20 - 22 23 - 25 26 - 32 33 - 40 41 - 48 49 - 60 61 - 70	.0 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.5	.0 .3 .3 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		.00.00.00.00.00.00.00.00.00.00.00.00.00	000000000000000000000000000000000000000	1.5 5.5 1.9 1.0 .0 .0 .0 .0 .0 .0 .0 .0	.00	.4 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	004000000000000000000000000000000000000	22-33			.4	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 23-25 23-34 41-48 49-60 61-70 71-96	.0 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.5	.03.33.33.30.00.00.00.00.00.00.00.00.00.	.00	.00	000000000000000000000000000000000000000	1.5 5.5 1.9 1.1 .0 .0 .0 .0 .0 .0 .0	.00	.4 .77 .60 .00 .00 .00 .00 .00 .00 .00 .00 .00	.0	22-33			.4	TOTAL PCT
1 1 2 3 - 4 5 - 6 7 8 - 9 10 - 11 12 13 - 16 17 - 19 20 - 22 23 - 25 26 - 32 33 - 40 41 - 48 49 - 60 61 - 70	.0 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.5	.0 .3 .3 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		.00.00.00.00.00.00.00.00.00.00.00.00.00	000000000000000000000000000000000000000	1.5 5.5 1.9 1.0 .0 .0 .0 .0 .0 .0 .0 .0	.00	.4 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	004000000000000000000000000000000000000	22-33			.4	TOTAL PCT

	MIND	SPEED	(KT5)	S SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	7.3	5.0	.0	.0	.0	.0	12.4	003
1-2	1.9	23.6	6.9	.0	.0	.0	32.4	
3-4		7.7	20.5	.0	.0	.0	28.2	
	•0							
5-6	.0	1.9	12.0	1.5		.0	15.4	
7	.0	.0	4.2	1.5		.0	5.8	
8-9	.0	. 4	2.3	2.7	.0	.0	5.4	
10-11	.0	. 4	.0	.0	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	-0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0		.0	.0	
23-25	.0	.0	.0	.0		.0	.0	
26-32	.0	.0	.0	.0		.0	.0	
33-40	.0	.0	.0	.0		.0	.0	
41-48	.0	.0	.0	.0		.0	.0	
49-60						.0		
	.0	.0	.0	.0			.0	
61-70	.0	.0	.0	.0		.0	.0	
71-86	.0	.0	.0	.0		.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	

87+ .0 .0 .0 .0 .0 .0 .0 TOT PC1 9.3 39.0 45.9 5.8 .0 .0

PERIOD: (DVER-ALL) 1949-1971

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	3.6	13.1	12.5	4.6	2.6	1.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	117	3
6-7	.0	2.3	8.5	9.8	8.9	3.3	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	105	5
8-9	.0	.0	1.6	4.6	3.3	2.6	2.6	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	7
10-11	.0	.0	.0	1.3	1.0	1.6	1.6	. 3	. 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	8
12-13	.0	.0	.0	.0	.0	. 3	. 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	9
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	3.3	. 3	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	1
TOTAL	21	48	69	62	50	29	20	5	1	0	0	0	0	0	0	0	0	0	0	305	5
PCT	6.9	15.7	22.6	20.3	16.4	9.5	6.6	1.6	. 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

n	•	*	0	•	c	P

PERIND:	(PRIMARY)	1879-1970
	(DVER-ALL)	1856-1970

TABLE 1

AREA 0070 BARROW ISLAND 19.75 114.3E

DEDCENT	EDECLIENCY	DE	WEATHER	DCCURRENCE	RY	WIND	DIRECTION

			р	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	DTHER FRZN FCPH	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5	.0	6.6	.0	82.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	97.6
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	97.9
S	. 4	.0	. 4	.0	.0	.0	.0	.4	.0	. 9	.0	.0	3.0	.0	95.7
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0	98.4
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	3.8	.0	94.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4	.0	.0	8.4	.0	83.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	18.8	.0	81.3
TOT PCT	. 2 538	.0	.2	•0	• 0	.0	•0	.2	.0	. 9	.4	.0	3.3	.0	95.2

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

PRECIPITATION TYPE										OTHER	WEATHER	PHEND	MENA		
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	NB SIG WEA
00803 06609 12615 18621	1.0	.0	1.0	.0	.0	.0	.0	1.0 1.0 .0	.0	2.0	1.0 .7	.0	4.3 2.0 4.0 1.9	.0	95.2 96.0 93.3 97.2
707 PCT	543	.0	.2	.0	٠.0	.0	.0	.2	.0	.9	.4	.0	3.3	.0	95.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

					Circles												
		WI	ND SPE	ED (KN	DTS)								HOUR	(GHT)			
WND DIR	0-3				34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.3	1.3	.2	.0	.0	.0		1.7	7.1	1.7	.3	5.3	3.0	2.0	.0		1.3
NE	. 1	1.1	.4	. 1	.0	. 0		1.7	9.7	. 9	.6	4.1	1.5	2.5	.0	1.8	1.3
	. 4	1.7	. 7	.0		.0		2.8	8.4	2.0	5.1	2.1	3.0	2.5	3.9	. 9	2.5
SE	. 8	4.8	7.5	1.4		.0		14.5	13.0	15.4	23.1	11.9	16.8	10.3	12.8	8.0	17.4
5		15.8		4.2		.0		40.9	12.6	47.3	41.9	41.4	36.1	32.4	33.3	47.9	47.5
SW	1.4	10.8		.8		.0		21.8	10.9	21.9	16.8			29.5			
5"	1.4	6.8						10.2	8.8	5.9							
	.5					.0		4.7	7.0	3.1			7.9	5.7	10.0		
NW	.7	3.3		• 0		.0											
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0			. 0		
CALM	1.6							1.6	.0	1.8	1.9		1.0	. 0	.0		
TOT DBS	84	528	471	76	1	0	1160		11.2	221	161	128	101	232	90	109	118
TOT PCT	7.2	45.5		6.6	. 1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

										Maria	feur 1		
WND DIR	0-6	7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN	00	HOUR O6	(GMT)	18	
HITO DIK	0-6	7-10	-11	20-40		DAS-	FREQ	SPD	03	09	15	21	
N	. 8	1.0	.0	.0	.0		1.7	7.1	1.1	4.3	1.5	.7	
NE	. 8	. 6	.0	. 1	.0		1.7	9.7		2.9	1.9	1.5	
	1.0	1.7	*	.0	.0		2.8	8.4	3.3	2.5	3.0	1.8	
SE	2.3	7.4	4.5		.0		14.5	13.0	18.7	14.1	11.0	12.9	
S E	6.9	23.6	9.6	.7	.0		40.9	12.6	45.0	39.1	32.7	47.5	
SW	4.5	13.8	3.3	. 2	. 1		21.8	10.9	19.8	19.7	28.7	17.7	
W	3.2	6.7	.4	.0	.0		10.2	8.8	5.9	10.5	14.4	11.5	
NW	2.5	2.2	.0	.0	.0		4.7	7.0	3.6	6.1	6.9	2.1	
VAR	.0	.0	.0	.0	.0		.0	• 0	.0	.0	.0	.0	
CALM		• 0	.0				1.6	.0	1.8		.0	4.4	
TOT ORS	275	661	210	13	1	1160		11.2	382	229	322	227	
TOT PCT	23.7	57.0	18.1	1.1	. 1		100.0			100.0	100.0	100.0	

OCTURER

PERIOD: (PRIMARY) 1879-1970 (OVER-ALL) 1856-1970

TABLE 4

AREA 0020 BARROW ISLAND 19.75 114.3E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (34-47	48+	MEAN	PCT	TOTAL
60300 60340	1.8	7.3	44.2	39.8 42.8	5.2	.0	.0	11.3	100.0 100.0 100.0	382 229 322
12615 18621 TOT	4.4	3.4 5.3 65	50.0 42.3 528	41.9 37.9 471	10.1	.0	.0		100.0	227 1160
PCT	1.6	5.6	45.5	40.6	6.6	.1	.0		100.0	

TABLE 5

P	CT FRE			LOUD A		EIGHTHS!			PERCEN	TAGE F	PEQUEN	CY OF	CEILIN NH <5/	G HEIG	HTS (F	RECTIC	>4/8) JN	
WNO DIR	0-2	3-4	5-7	6 4 08500	TOTAL	MEAN CLDUD COVER	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH C5/8 ANY HGT	
N	1.5	.5	1.2	.0		3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2		
NE	2.1	.3	.0	.3		1.4	.0	.0	.0	.0	.3	.0	.0	• 0	.0	.0	2.4	
Ne						1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
ŧ.	1.3	.0	.3	.0		.8	.0	.0	.0	.0	. 1	.0	.3	• 0	.0	.0	6.7	
SE	6.1	. 6	. 4	. ?			.0	.0	.0	. 2	1.9	1.6	.0	.0	.0	.0	39.4	
5	29.5	7.5	5.2	. 8		1.8		.0	.0	. 1	. 2	. 7	. 3	.0	.0	.1	21.2	
SW	17.1	3.1	2.3	.0		1.3	.0		.0	.0	.0	. 5	.0	.0	.0	. 2	11.0	
W	9.1	1.5	1.1	.0		1.1	.0	.0	.0	.0	.0	.3	.0	.0	.0	. 1	4.2	
NW	2.5	1.1	1.0	.0		2.1	.0	• 0					.0	.0	.0	.0		
VAR	.0	.0	.0	.0		• 0	.0	.0	.0	.0	.0	.0						
CALM	3.3	. 3	.0	.0		.3	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	337	362
TOT DBS	262	54	42	4	362	1.5	0	0	0	1	9	11	2	0	0	2		
TOT PCT	72.4	14 9	11.6	1.1	100.0		•0	.0	.0	. 3	2.5	3.0	.6	.0	• 0	.6	93.1	100.0

TABLE 7

CUMULATIVE PCT FREQ	OF SIMULTANFOUS DO	CURRENC
DE CETITIVE HEIGHT	(NH >4/8) AND VSBY	(NM)

	CEILING /	= OR >10	= DR >5	= OR >2	VSBY (NM = OR >1	= DR >1/2	= OR >1/4	= DR >50YD	= DR
:	OR >650Q	.5	.5	.5	.5	.5	.5	.5	.5
	DR >3500	1.1	1.1	1.1	1.1	4.1	1.1	1.1	4.1
:	DR >1000	6.0	6.6	6.6	6.6	6.6	6.9	6.9	6.6
	DR >300	6.3	6.9	6.9	6.9	6.9	6.9	6.9	6.9
•	OR > 0	6.3	25	25	25	25	25	25	25

TOTAL NUMBER OF OBS: 364 PCT FREQ NH <5/8: 93.1

TABLE 74

PERCENTAGE FRED OF LOW CLOUDS (FIGHTHS)

O I 2 3 4 5 6 7 8 DBSCD DBS 52.1 16.4 10.7 7.8 6.3 2.6 2.9 1.0 .3 .0 384

-	-	-	n	-	-	-
u	u	Т	u	н	t	R

PRIMARY) 1 DVER-ALL) 1 VSBY (NM)		P	ERCENT	FRED	ne w16		TA	BLE 8				ARE		RROW ISLAND S 114.3E
		P	RCENT	FRED	ne W16								19.1) 114.35
				PREC	IPITAT	D DIRE	CTION TH VAR	VS DCC	URRENCE ALUES 1	OF VIS	ON-OCC	URRENC	E DF	
		N	NE	E	SF	s	SW	W	NW	VAR	CALM	PCT	TOTAL DBS	
	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	NO PCP	• ()	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	101 %	• ()	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	PCP	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	NO PCP	• ()	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	NO PCP	• 0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6		
	TOT %	• 0	• 0	.0	.0	.0	.0	.6	.0	.0	.0	.6		
	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	NO PCP	.3		.0	. 1	1.0	. 2	.0	.0	.0	.0	1.7		
	TOT *	. 3		.0	.1	1.0	. 2	.0	.0	.0	.0	1.7		
	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
5<10	NO PCP	.6	.3	. 4	1.9	3.3	1.9	. 8	. 4	.0	.6	10.0		
	TOT %	.6	. 3	. 4	1.9	3.3	1.9	. 8	. 4	.0	.6	10.0		
	PCP	• 0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2		
10+	NO PCP	1.9	1.6	2.0	6.8	38.7	21.7	8.5	4.0	.0	2.4	87.5		
	TOT %	1.9	1.6	2.0	6.8	38.8	21.7	8.5	4.0	.0	2.4	87.7		
	TOT OBS												538	
	TOT PCT	2.8	1.9	2.3	8.8	43.1	23.8	9.8	4.4	.0	3.0	100.0	250	

TABLE 9

(NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
1<2	4-10	.0	• 1	.0	.0	. 2	.5	1.1	. 1	.0		2.0	
	11-21	.0	.0	.0	.0	. 1	.3	. 4	.0	.0		. 8	
	22+	.0	.0	.0	.1	. 4	.0	.0	.0	.0		.5	
	TOT %	.0	• 1	.0	.3	. 7	.9	1.5	- 1	.0	.0	3.4	
	0-3	. 1	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	
245	4-10	. 1	.0	.0	. 1	.7	. 1	.0	.0	.0		1.1	
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	. 2	*	.0	.1	.7	.1	.0	.0	.0	.0	1.2	
	0-3	. 1	.0	.0	.0	.1	.1	.5	.1	.0	. 8	1.7	
5<10	4-10	.6	.5	. 4	1.1	3.0	2.9	3.5	2.5	.0		14.5	
	11-21	.0	• 1	. 1	. 7	3.3	2.4	1.0	. 3	.0		7.9	
	22+	.0	• 1	.0	. 3	1.1	. 3	.0	.0	.0		1.8	
	TOT %	.7	. 8	. 5	2.0	7.5	5.8	5.0	2.9	.0	. 8	26.0	
50 Sec. 11	0-3	. 1	• 1	. 2	.4	. 8	1.6	.2	.8	.0	1.7	5.9	
10+	4-10	1.2	.9	1.2	2.8	10.9	7.9	5.1	1.9	.0		31.8	
	11-21	. 3	. 3	. 3	1.9	15.5	7.4	1.8	. 3	.0		27.7	
	22+	.0	.0	.0	. 5	3.2	.3	.0	.0	.0		4.0	
	TOT %	1.6	1.3	1.6	5.6	30.4	17.1	7.1	3.0	.0	1.7	69.4	
	OT ORS												758
T	OT PCT	2.5	2.2	2.0	7.9	39.3	23.8	13.6	6.0	.0	2.5	100.0	

PERIOD: (PRIMARY) 1879-1970 (DVER-ALL) 1856-1970

TABLE 10

AREA 0020 BARROW ISLAND 19.75 114.3E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

					-	00111								
HDUR (GMT)	000	150 299	300 599	600	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00003	.0	.0	.0	.0	3.9	3.9	.0	.0	.0	.0	7.8	92.2	102	
05609	.0	.0	•0	1.1	1.1	1.1	.0	.0	.0	1.1	4.6	95.4	87	
12615	.0	.0	•0	.0	.0	4.0	1.0	.0	.0	1.0	5.9	94.1	101	
18821	.0	.0	•0	.0	4.3	2.2	1.1	.0	.0	.0	7.5	92.5	93	
TOT PCT	.0	.0	.0	.3	2.3	2.9	.5	.0	.0	.5	25 6.5	358 93.5	383	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	ICY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DRS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.0	.0	3.9	. 8	24.9	70.4	757	60300	.0	.0	.0	8.4	91.6	95
06609	.0	.0	2.2	.7	21.7	75.4	138	06609	.0	.0	2.4	3.5	94.0	84
12615	. 4	.0	4.8	2.6	31.9	60.3	229	12815	.0	.0	1.0	6.1	92.9	98
18621	.0	.0	2.0	.0	27.5	70.6	153	18821	.0	.0	.0	8.0	92.0	87
TOT	1	0	27 3.5	9	209	531 68.3	777	TOT	.0	.0		6.6	337 92.6	364 100.0

TABLE 13

TABLE 14

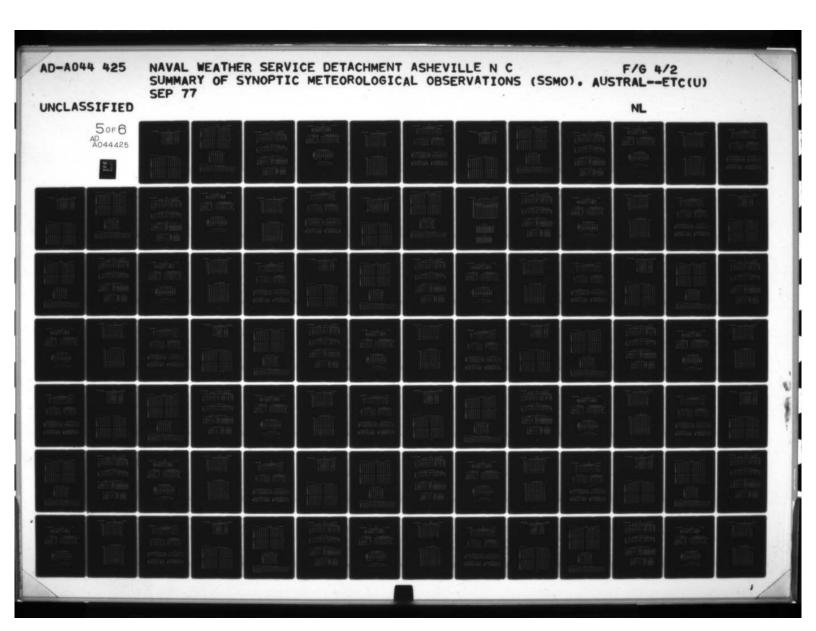
												PERC	ENT - P	FOLIENS	v ne w	IND DI	RECTION	BY T	EMP	
			EQUENC						TOTAL	PCT										5.11
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	2	SW	W	NW	VAR	CALM
90/94	.0	.0	. 3	.0	.0	.0	.0	.0	2	.3	.0	.0	.0	.0	.2	. 2	.0	.0	.0	.0
85/89	.0		. 9	. 2		. 3	. 2	.0	14	2.4	.0	. 1	. 2	• 1	. 8	. 6	. 3	. 3	.0	.0
80/84	.0	. 2	. 7	1.2	1.9	3.8	1.0	.7	55	9.5	. 9	. 9	. 4	1.0	1.7	2.2	1.3	. 8	.0	. 3
75/79	.0			1.9		13.8		4.2	213	36.9	1.1	. 5	1.1	2.9	9.0	8.6	9.3	3.0	.0	1.4
70/74	.0					12.8		4.2	216	37.4	.6	.6	. 3	1.9	16.9	10.0	4.1	2.5	.0	. 5
65/69	.0	.0		1.2	2.2			1.4	73	12.6	.0	.0	.0	2.1	7.7	2.5	.3	.0	.0	.0
60/64	.0			.0	.0		.3	. 2	4	. 7	.0	• 0	.0	. 2	. 2	. 3	.0	.0	.0	.0
55/59	.0			.0	.0	.0	. 2	.0	1	. 2	.0	.0	.0	.0	. 1		.0	.0	.0	.0
TOTAL	0		18	5.7	14.5	198		10.6	578	100.0	2.6	2.0	2.0	8.2	36.6	24.4	15.3	6.6	.0	2.2

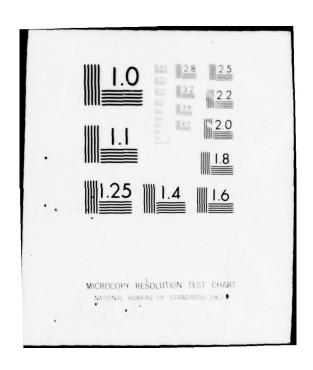
TARIE 1

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HUUR (CMT)	мдх	99%	95%	50%	5%	13	MIN	MEAN	TOTAL
00803	90 87	86 86	83	75 76	66	63	59	74.8	368 211
12615	87	84	81	74	69	67	65	74.4	307
18821	85 90	80	78 82	73 75	68	65	59	73.1	216

	PERC	ENT FRE	MOENCA	DE KELA	IIVE H	DWIDILL	BI HUUK	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL 085
60300 90300	.0	16.9	15.4	32.8	25.6	9.2	73 71	195
12615	.0	2.8	9.0	36.2	35.0	16.9	79	177
18821	.0	3.4	13.4	26.9	43.7	12.6	79	119
TOT	0	56	86	199	182	68	76	591





OCTUBER

PERIOD: (PRIMARY) 1879-1970 (DVER-ALL) 1856-1970

TABLE 17

AREA 0020 BARROW ISLAND 19.75 114.3E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	61	65	69	73	77	61	85	TOT	W	WO
TMP DIF	64	68	72	76	80	84	88		FQG	FOG
11/13	.0	.0	.0	.0	.0	.3	.0	1	.0	.3
9/10	.0	.0	.0	.0	.0	.6	.3		.0	. 8
7/8	.0	.0	. 3	. 3	.0	.6	.3	5	.0	1.4
6	.0	.0	.0	.3	.6	.6	.0	3 5 5	.0	1.4
5	.0	.0	.3	.0	1.4	1.4	.6	13	.0	3.6
4	.0	.0	.0	.0	1.4	1.1	.6	12	.3	3.1
3	.0	.0	.0	1.7	1.7	.6	. 3	15	.0	4.2
6 5 4 3 2 1	.0	. 3	.0	.6	3.3	1.1	.0	19	.0	5.3
1	.0	.0	.6	3.3	3.6	.6	.0	29	.0	8.1
ō	.0	.0	1.4	7.2	6.1	1.4	.0	58	.0	16.1
-1	.0	.3	3.1	6.7	4.7	.0	.0	53	.3	14.4
-1 -2 -3	.0	. 3	3.3	8.1	4.2	. 3	.0	58	.0	16.1
-3	.0	. 8	1.9	3.9	.3	.0	.0	25	.0	6.9
-4	.0	.3	3.1	2.2	1.4	.0	.0	25	.0	6.9
-5	.0	1.4	2.5	1.4	1.1	.0	.0	23	.0	6.4
-6	.0	.3	.6	.6	.0	.0	.0	5	.0	1.4
-7/-8	.3	.0	. 8	1.1	.0	.0	.0	8	.0	2.2
-9/-10	.0	. 3	.0	.6	.0	.0	.0	8 3	.0	. 8
TOYAL	1		64		107		. 7		2	358
		14		137		30		360		
PCT	2	2 0	17.8	38.1	29.7	8.3	1.9	100.0	. 6	99.4

PERIOD: (DVER-ALL) 1963-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) NE 22-33 27-33 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 22 23-25 26-32 33-40 61-70 71-86 87+ Tot PCT 1-3 48+ HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 23-25 26-32 341-48 49-60 61-70 71-86 + TOT PCT 48+ 1-3 34-47 1-3

BER	DCTOB	
BER	DCTOB	

PERIOD: (DVER-ALL) 1962-1970

TABLE 18 (CONT)

AREA 0020 BARROW ISLAND 19.75 114.3E

OFT FREE DE WIND CREED ANTE AND DIRECTION VERSUS SEA HEIGHTS ANT

				PC	T FREG C	F WIND	SPEED	(KTS) AND DIRE	CTION	VERSUS S	EA HEIG	HTS (FT)			
				s							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.7	.0	.0	.0	.0	.7	.0	.3	.0	.0	.0	.0	. 3	
1-2	. 3	5.6	3.6	.0	.0	.0	9.5	.5	6.2	1.8	.0	.0	.0	8.5	
3-4	.0	2.6	7.2	.0	.0	.0	9.9	.0	2.3	3.9	. 5	.0	.0	6.7	
5-6	.0	. 9	6.8	1.0	.0	.0	€.7	.0	.0	2.3	.3	.0	.0	2.6	
7	.0	.5	5.8	.9	.0	.0	7.2	.0	.0	1.5	.0	.0	.0	1.5	
8-9	.0	.0	.9	1.7	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	1.3	.9	.0	.0	2.2	.0	.0	.1	.0	.0	.0	. 1	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	. 3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
TET PET	. 3	10.3	25.6	4.9	.0	.0	41.2	.5	8.8	9.6	. 8	.0	.0	19.7	
				G.							NW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	2.4	.0	.0	.0	•0	2.4	.0	1.5	.0	.0			1.5	
1-2	.0														
3-4		4 5	. 0	0								.0	.0		
		4.5	.0	.0	.0	.0	4.5	.5	1.5	.0	.0	.0	.0	1.9	
	.0	2.8	1.3	.0	.0	.0	4.5	.5	1.5	.0	.0	.0	.0	1.9	
5-6	.0	2.8	1.3 1.5	.0	.0	.0	4.5 4.0 1.5	.5	1.5	.6	.0	.0	.0	1.9 .6 1.0	
	.0	2.8	1.3 1.5	.0	•0	.0	4.5 4.0 1.5	.5 .0 .0	1.5 .0 .5	.6	.0	.0	.0	1.9 .6 1.0	
5-6 7 8-9	.0	2.8	1.3 1.5 .5	.0	.0	.0	4.5 4.0 1.5 .5	.5 .0 .0	1.5 .0 .5 .0	.0	.0	.0	.0	1.9 .6 1.0	
5-6 7 8-9 10-11	.0	2.8	1.3 1.5 .5	.0	.00	.0	4.5 4.0 1.5 .5	.5 .0 .0 .0	1.5	.6	.0	.0	.0	1.9 .6 1.0 .0	
5-6 7 8-9	.0	2.8	1.3 1.5 .5	.0	.0	.0	4.5 4.0 1.5 .5 .0	.5	1.5	.0	.0	.0	.0	1.9 .6 1.0 .0	
5-6 7 8-9 10-11 12 13-16	.0	2.8	1.3 1.5 .5 .0	.0	.0	.0	4.5 4.0 1.5 .5 .0	.5	1.5	.0	.0	.0	.0	1.9 .6 1.0 .0 .0	
5-6 7 8-9 10-11 12 13-16 17-19	.0	2.8	.0 1.3 1.5 .5 .0 .0	.0	.0		4.5 4.0 1.5 .0 .0	.5	1.5	.0	.0	.0	.0000000000	1.9	
5-6 7 8-9 10-11 12 13-16	.0	2.8	.0 1.3 1.5 .5 .0 .0	.0	.0	.0	4.5 4.0 1.5 .0 .0	.5	1.5	.0	.0	.00	.0	1.9	
5-6 7 8-9 10-11 12 13-16 17-19 20-22	.0	2.8	.0 1.3 1.5 .5 .0 .0	.00	.0	.00000000000000000000000000000000000000	4.5 4.0 1.5 .5 .0 .0	.5	1.5	0 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.00.00		.0	1.9	
5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.0	2.8	.0 1.3 1.5 .5 .0 .0 .0	.00	.0		4.5 4.0 1.5 .5 .0 .0	.5	1.5	0.66000000000000	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	1.9	
5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.0	2.8	.0 1.3 1.5 .5 .0 .0	.00	.0		4.5 4.0 1.5 .0 .0 .0	.5	1.5	0.6600000000000	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	1.9	
5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	.0	2.8	1.3 1.5 .5 .0 .0 .0	000000000000000000000000000000000000000	.0	000000000000000000000000000000000000000	4.5	.5	1.5	0 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.00	000000000000000000000000000000000000000	000000000000000000000000000000000000000	1.9	
5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48	.0	2.8	1.3 1.5 .5 .0 .0 .0	000000000000000000000000000000000000000	.0		4.5	.5	1.5	0.6.60000000000000000000000000000000000	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	1.9	
5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	.0	2.8	1.3 1.5 .0 .0 .0 .0 .0		.00000000000000000000000000000000000000		4.5	.5	1.5	0.6600000000000000000000000000000000000	.00.000.0000000000000000000000000000000	000000000000000000000000000000000000000		1.9	
5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	000000000000000000000000000000000000000	2.8	1.3 1.5 .5 .0 .0 .0 .0	000000000000000000000000000000000000000	.0		4.5 4.0 1.5 .0 .0 .0 .0 .0	.5	1.5	0.0000000000000000000000000000000000000	.0	000000000000000000000000000000000000000		1.9	
5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86		2.8	.0 1.3 1.5 .5 .0 .0 .0 .0	000000000000000000000000000000000000000	.0		4.5	.5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.5	0.6600000000000000000000000000000000000	.00.000.0000000000000000000000000000000	000000000000000000000000000000000000000		1.9	95.0

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT
<1	5.5	5.9	.0	.0	.0	.0	11.4
1-2	2.3	24.1	6.4	.0	.0	.0	32.7
3-4	.0	10.0	15.0	.0	.0	.0	25.5
5-6	.0	1.4	11.8	1.4	.0	.0	14.5
7	.0	. 5	8.2	. 9	.0	.0	9.5
7 8-9	.0	.0	. 9	2.3	.0	.0	3.2
0-11	.0	.0	1.4	.9	.0	.0	2.3
12	.0	.0	.0	.5	.0	.0	. 5
3-16	.0	.0	.0	.5	.0	.0	.5
7-19	.0	.0	.0	.0	.0	.0	.0
0 22				^	0	0	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

TOT OBS

PERIOD: (QVER-ALL) 1950-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-43	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.8	17.6	11.0	7.3	2.9	.0	.4	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	113	3
6-7	.0	. 4	7.7	8.4	6.6	3.7	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	5
8-9	.0	. 7	3.7	5.1	2.2	5.1	1.5	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	54	6
10-11	.0	.0	. 7	1.1	1.1	. 7	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	7
12-13	.0	.0	1.1	. 4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	3.3	. 4	.0	.0	.0	. 4	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	2
TOTAL	14	52	66	61	35	30	10	3	2	0	0	0	0	0	0	0	0	0	0	273	5
PCT	5.1	19.0	24.2	22.3	12.8	11.0	3.7	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

									NOVEMB	ER						
PERIOD:	(PRIMARY)		-1972 -1972						TABLE				AREA 0021		RDW ISLANT	5
					P	ERCENT	FREQL	ENCY D	F WEATHER	DCCURRENCE	BY WI	ND DIR	ECTION			
				ρ	RECIPI	TATION	TYPE					DTHER	WEATHER	PHEND	MENA	
	WNO DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WD PCPN	FUG WD PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SNO	
	N NE	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	10.3	.0	95.6
	S E	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0 .0 3.3	.0	100.0
	S Sw	.0	.0	.0	.0	.0		.0	.0	.6	1.5	.0	.0	2.4	.0	95.4
	W	1.0	.0	.0	.0	•0	.0	.0	1.0	.0	5.7	.0	.0	.0	.0	100.0
	CALM	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	13.3		86.7
	TOT PCT TOT DBS:	.2 544	.0	.0	.0	•0	•0	•0	.2	.2	1.5	•0	•0	3.3	.0	94.9

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00803 06609 12815 18621	.0 .0 .0	.0	.0	.0	0.00.00	.0	.0	.0 .0 .0	1.2 .0	.0 3.2 3.7	.0	.0	4.8 1.2 2.5 2.4	.0 .0 .0	95.2 97.6 94.3 92.7
TOT PCT	.2	.0	.0	.0	•0	.0	.0	.2	.2	1.5	.0	•0	3.3	.0	94.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			ED (KNI 22-33	0TS) 34~47	48+	TOTAL Gas	PCT	MEAN SPD	00	03	06	HOUR 09	(GMT) 12	15	18	21
N NE E SE S W NW VAR CALM TOT OBS	1.3 1.3 .7 1.5 2.0 2.4 1.0 .8 .0	2.0 1.3 1.2 2.2 11.6 5.8 2.1 .0	16.8 8.0 .6 .0	1.0	.0	.00000000000000000000000000000000000000	896	3.5 2.8 2.2 5.6 32.1 32.8 15.8 3.4 .0 1.8	5.1 4.5 6.4 9.7 13.1 11.8 11.7 7.0 .0 11.2	1.4 2.5 1.6 4.9 47.8 31.3 7.2 1.1 0.0 2.2 183	6.2 5.8 3.1 11.0 36.0 20.8 9.3 4.1 .0 3.9 178 100.0	2.4 3.5 3.5 5.3 35.6 32.6 13.5 .0 .0 85	8.2 5.7 .0 2.5 23.8 30.7 24.2 4.9 .0 .0	4.5 1.2 2.6 3.9 20.5 38.5 23.0 4.8 .0 1.1 184	5.3 .0 1.3 76	3.1 .0 1.2 8.8 26.9 39.6 15.4 1.9 .0 3.1 65	3.9 3.1 32.8 41.4 16.4 2.3 .0 64

					TAR	LE 3A							
WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL DBS	PCT	MEAN SPD	00	06 09	12 15	18	
NE E SE	2.4	1.1 .6 .7	.0	.0	.0		3.5 2.8 2.2	5.1 4.5 6.4	3.7 4.1 2.4	4.8	3.6 1.4 1.6	1.6 .0 2.5	
SW	7.1	2.2 13.9 17.7	10.6 7.3	.5	.0		5.6 32.1 32.8 15.8	9.7 13.1 11.8 11.7	7.9 42.0 26.1 8.2	4.1 30.7 31.8 18.0	3.1 20.3 38.8 24.9	6.0 29.8 40.5 15.9	
NW VAR	1.8	9.0 1.5	3.3	.0	.0		3.4	7.0	2.6	4.1	4.9	2.1	
THE DES	268	419	200		.0	896	100.0	11.2	100.0	146	260	100.0	

_	1	-	0	£	0

PERIOD: (PRIMARY) 1922-1972 (DVER-ALL) 1855-1972

TABLE 4

AREA 0020 BARROW ISLAND 20.15 114.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	2	KNOTS) 34-47	48+	MEAN	PCT FREQ	DBS
	- 0		20.0	24 1	4.4	.0	.0	9.4	100.0	361
00803	3.0	18.6	39.9	34.1						146
90300	.0	4.1	33.6	53.4	8.9	.0	.0		100.0	
	1.2	8.1	37.3	41.5	11.9	.0	.0	11.9	100.0	260
12615	1.6						.0	12 8	100.0	129
18621	1.6	3.9	35.7	49.6	9.3	.0	. 0		100.0	
TOT	16	99	336	373	72	0	0	11.2		896
							0		100.0	
DOT	1.8	11.0	37.5	41.6	B. 0	.0	.0		100.0	

TABLE 6

			1.4	BLE														
P	CT FRE			LOUD A		EIGHTHS)		1	PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	B BY W	IND DI	RECTION :	4/8) JN	
WED DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH C5/B	TOTAL
N	1.8	.4	.0	.0		.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
NE	1.6	.0	. 2	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
NE				5.5.		2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
	1.1	.3	. 6	• 0				.0	. 1	.0	. 5	.0	.0	.0	.0	. 4	4.5	
SE	3.3	.5	1.6	.0		2.2	.0	.0	.3	. 3	1.9	1.9	. 4	.0	.0	.0	26.0	
5	19.1	5.6	5.3	. 8		2.3	.0						.0	.0	. 4	.0	33.9	
SW	25.8	6.9	4.0	. 1		1.7	.0	.0	.0	• 1	, 8	1.6				.0	15.6	
W	14.3	1.2	1.3	. 3		1.2	.0	.0	.0	. 4	. 6	.7	.0	.0	• 0			
NW	2.4	.0	. 1	.0		.6	.0	.0	.0	.0	. 1	.0	.0	• 0	.0	.0	2.4	
VAR		.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	
CALM	1.5	.0	.0	• 0		5	• 0	.0	1	2	10	11	1	0	1	1	235	262
TOT OBS	186	39	34	3	262	1.8	0			. 8	3.8	4.2		.0	.4	. 4	89.7	100.0
TUT PCT	71.0	14.9	13.0	1.1	100.0		.0	.0	. 4	, 0	3.0	4.2	. 4	• 0			• • •	

TABLE 7

CUMULATIVE	DCT	EDE0	0.F	SIMULT	ANEQU	s acc	URREN	CE
DE CELLI	NC H	FIGHT	(NE	24/81	AND	VSBY	(NM)	

					VSBY (NM)			
CE	ILING	• OR	- OR	= DR	= DR	- DR	= DR	- DR	- DR
	EET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- 00	>6500	.8	.8	.8	.8	. 8	. 8	.8	.8
					.8	. 8	. 8	. 8	. 8
	>5000	.8	. 8	. 8		1.1		1.1	1.1
· DR	>3500	1.1	1.1	1.1	1.1		1.1		
. 08	>2000	4.9	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	>1000	6.8	8.7	9.1	9.1	9.1	9.1	9.1	9.1
		7.2		9.8	9.8	9.8	9.8	9.8	9.8
• OR			9.4			10.2	10.2	10.2	10.2
- DR	>300	7.5	9.8	10.2	10.2				
. UR	>150	7.5	9.8	10.2	10.2	10.2	10.2	10.2	10.2
	> 0	7.5	9.8	10.2	10.2	10.2	10.2	10.2	10.2
- 04	TOTAL	20	26	27	27	27	27	27	27

TOTAL NUMBER OF OBS: 265 PCT FREO NH <5/81 89.8

TABLE 7A

PERCENTAGE FRED DF LOW CLOUDS (EIGHTHS)

O 1 2 3 4 5 6 7 8 085CD 085 43.5 22.7 12.6 5.9 4.5 1.9 4.5 3.7 .7 .0 269

N	n	ν	E	м	R	E (2

							NOV	EMBER						
(PRIMARY) 1 (OVER-ALL) 1							TA	BLF 8				ARE		OW ISLAN
		PE	RCENT	PREC I					URRENC ALUES				E OF	
VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	NO PCP	• 0	• 0	.0	.0	.0	• 0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	NO PCP	.0	.0	.0	.0	.0	.4	.4	.0	.0	.0	. 7		
	TOT %	• 0	.0	.0	• 0	• 0	. 4	.4	.0	.0	.0	.7		
	PCP	.0	.0	.0	.0	.0		.1	.0	.0	.0	.2		
2<5	NO PCP	• 0	.0	.0	*	.3	.2	.0	.0	.0	.0	. 6		
	TOT %	.0	.0	.0	*	. 3	.2	. 1	.0	.0	.0	.6		
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
5<10	NO PCP	. 8	.0	.6	1.0	7.1	4.9	5.8	. 5	.0	. 2	21.0		
	TOT %	• 8	• 0	.6	1.0	7.1	4.9	5.8	.5	.0	. 2	21.0		
	PCP	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
10+	NO PCP	3.4	3.6	1.7	4.4	24.9	27.3	8.1	1.7	.0	2.6	77.6		
	TOT %	3.4	3.6	1.7	4.4	24.9	27.3	9.1	1.7	.0	2.6	77.6		
	TOT DBS												544	
	TOT PCT	4.2	3.6	2.2	5.5	32.3	32.8	14.5	2.3	.0	2.8	100.0		

TABLE 9

VSBY	SPD	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS												DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	
1<2	4-10	.0	. 1	.1	. 1	. 2	. 5	. 3	. 2	.0	• •	1.4	
	11-21	.0	.0	.0	.0	. 2	1.1	. 5	. 1	.0		1.8	
	22+	.0	.0	.0	.0	.1	. 3	.0	.0	.0		. 4	
	TOT %	.0	• 1	. 1	. 1	.7	1.8	. 8	.3	.0	.0	3.8	
	0-3	.0	.0	.0		. 1	.1	.0	.0	.0	.0	.3	
2<5	4-10	.0	• 0	.0	.0	.1	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0		.1	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	*	. 2	. 2	.1	.0	.0	.0	.5	
	0-3	. 2	.0	.1	.2	.3	.7	.9	.3	.0	. 3	2.9	
5<10	4-10	1.2	.3	. 5	. 3	2.6	2.9	3.0	1.3	.0		12.1	
	11-21	.0	.1	.3	.4	5.0	4.9	5.0	.1	.0		15.7	
	22+	.0	.0	.0	. 3	1.8	.9	.7	.0	.0		3.7	
	TOT %	1.4	.5	. 8	1.2	9.7	9.3	9.5	1.7	.0	. 3	34.3	
	0-3	1.2	1.6	. 5	1.3	1.8	1.9	. 2	.4	.0	1.8	10.9	
10+	4-10	1.2	1.0	. 8	1.6	8.4	7.2	3.1	. 8	.0		24.1	
	11-21	. 2	.0	.0	.3	7.5	10.9	3.6	. 5	.0		23.1	
	22+	.0	.0	.0	.3	1.6	. 9	.5	.0	.0		3.3	
	TOT %	2.6	2.6	1.3	3.5	19.4	20.9	7.5	1.6	.0	1.8	61.3	
T	OT DAS												763
	OT PCT	4.0	3.1	2.2	4.8	30.0	32.3	17.9	3.6				

TABLE 10

AREA 0020 BARROW ISLAND 20.15 114.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND

of city	WENGE IC I DI OF			48 10			
	DCCURRENCE	DF	ИН	<2/8	BA	HOUR	

HOUR (GMT)	149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.0	.0	.0	1.4	5.4	8.1	.0	.0	.0	.0	14.9	85.1	74
06809	.0	.0	.0	.0	.0	5.9	.0	.0	.0	.0	5.9	94.1	68
12815	.0	.0	1.7	1.7	5.2	.0	.0	.0	1.7	.0	10.3	89.7	58
18821	.0	.0	.0	.0	4.5	1.5	1.5	.0	.0	1.5	9.0	91.0	67
TOT	0	0	1	2	10	11	.4	.0	.4	1	10.1	240	267

TABLE 11

								CUMULAT	TVE PCT	FREQ	OF RAN	GES DE	VSBY (NM)	AND/DR
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR			CEILIN	G HGT	(FEET,	NH >4/8), BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
60300	.0	.0	4.0	.0	25.7	70.3	300	00603	.0	.0	1.4	13.5	85.1	74
90360	.0	.0	3.3	•0	30.3	66.4	122	90300	.0	.0	.0	6.0	94.0	67
12615	.0	.0	4.2	1.3	45.3	49.2	236	12615	.0	1.7	3.4	6.9	89.7	56
18621	.0	.0	3.4	. 8	40.7	55.1	118	18621	.0	.0	1.5	7.6	90.9	66
TOT	0	0	30	4	269	473	776	TOT	0	1	5	23	238	265

	PERCI	ENT FRI	EQUENC	Y DF R	ELATIV	E HUM1	DITY B	Y TEMP				PERC	ENT FR	EQUENC	YOF	IND DI	RECTIO	N BY T	ЕМР	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	FREQ	N	NE	Ε	SE	s	SW	W	NW	VAR	CALM
90/94	.0	.0	.2	.2	.6	.6	.5	.0	13	2.0	.1		. 2	. 3	.7	.5	. 1	.0	.0	.0
85/89	.0	.0	. 2	. 9	1.7	1.4	. 8	.6	36	5.5	. 8	.1	.0	. 3	1.3	1.0	. 9	. 3	.0	. 8
80/84	.0	.0	.3	1.1	1.8	9.3	10.0	4.1	174	26.6	1.3	1.8	1.1	1.7	4.9	6.1	7.2	1.8	.0	. 8
75/79	.0	.0	.2	. 8	2.1	15.3	13.3	7.4	255	39.1	2.2	1.2	1.0	. 9	8.2	14.0	9.5	1.8	.0	. 5
70/74	.0	.0	.0	. 2	3.8	6.6	7.5	4.7	149	22.8	.0	.0	. 1	. 8	10.0	9.6	1.9	. 2	.0	. 3
65/69	.0	.0	.0	. 5	. 5	. 9	1.4	.5	24	3.7	.0	.0	.0	. 5	2.0	1.1	. 2	.0	.0	.0
60/64	.0	.0	.0		. 3	.0		.0	2	.3	.0	.0	.0	. 2	. 2	.0	.0	.0	.0	.0
TOTAL	0	0	5	23	71	223	218	113	653	100.0										
PCT	.0	.0	.8	3.5	10.9	34.2	33.4	17.3			4.4	3.1	2.5	4.7	27.0	32.3	19.7	4.0	.0	2.3

				TAH	LE 15									TABLE	10			
	MEANS,	EXTREM	S AND	PERCEN	TILES	DF TE	4P (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOUR	R
HOUR (GMT)	мдх	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300 60300	94	92	88	79 78	70	68	66	78.7	363 146	00603	.0	4.8	13.5	35.8	33.8	10.0	77	260
12615 18621	91 85 94	86 82 90	84 80 86	77 75 78	71 68 70	69 67 68	63	77.4 75.1 77.7	259 130 898	12615 18621 TOT	.0	2.0	6.4 8.1 72	33.5 27.3 229	34.5 33.3 222	23.6 29.3	82 82 79	203 99 666

NOVEMBER

PERIOD: (PKIMARY) 1922-1972 (OVER-ALL) 1855-1972

TABLE 17

AREA 0020 BARROW ISLAND 20.15 114.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65	69	73 76	77 80	81	85 88	89 92	TOT	FDG	WD FOG
	-			-						
9/10	.0	.0	.0	.0	.0	.3	.0	1	.0	.3
7/8	.0	.0	.0	. 3	. 3	. 3	.0	3	.0	1.0
6	.0	.0	.0	.0	.0	.0	. 3	3 1 3	.0	.3
6	.0	.0	.3	.3	.0	.7	.3	3	.0	1.0
4	.0	.0	.0	. 3	. 3	. 7	.0	4	.0	1.4
4 3	.0	.0	.7	. 7	1.4	.0	.0	8	.0	2.7
2	.3	. 3	3.0	2.0	1.7	. 3	.0	23	.0	7.8
2 1 0	.0	. 7	1.4	1.4	1.0	. 3	.0	14	.0	4.7
0	.0	. 3	6.4	10.5	5.4	.0	.0	67	.0	22.6
-1	.0	.0	5.1	5.4	2.4	.0	.0	38	.0	12.8
-2	.0	2.0	7.1	8.8	2.7	.0	.0	61	.0	20.6
-3	. 3	1.7	3.7	2.7	.0	.0	.0	25	.0	8.4
-4	.3	2.7	4.7	2.0	.0	.0	.0	29	.0	9.8
-5	.0	.3	1.7	1.0	. 3	.0	.0	10	.0	3.4
-6	.0	. 3	.0	.0	.0	.0	.0	1	.0	. 3
-7/-8	.0	1.0	1.0	. 7	.0	.0	.0	8	.0	2.7
TOTAL	3		104		46		2		0	296
		28		107		6		296		
PCT	1.0	9.5	35.1	36.1	15.5	2.0	. 7	100.0		100.0

PERIOD: (DVER-ALL) 1963-1972

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 22-33 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ TDT PCT 1-3 4-10 48+ 1-3 34-47 34-47 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
87-7 48+ 1-3 4-10 34-47 1-3

TARLE 18 (CONT)

AREA 0020 BARROW ISLAND 20.15 114.6E

PCT	FREO DI	WIND	SPEED	(KTS)	AND	DIRECTION	VERSUS	SEA	HEIGHTS	(FT)

				S							SW				
HGT	1-3	4-10	11-21	27-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	1.1	.0	.0	.0	.0	1.1	• 0	. 8	.0	.0	.0	.0	. 8	
1-2	. 5	2.3	4.2	.0	.0	.0	7.0	. 8	6.7	5.5	.0	.0	.0	13.0	
3-4	.0	3.0	3.3	.0	.0	.0	6.3	.0	3.1	8.0	.0	.0	.0	11.1	
5-6	.0	.6	4.7	1.9	.0	• 0	7.2	.0	.6	7.5	.0	.0	.0	8.1	
7	.0	.0	1.6	.5	.0	.0	2.0	.0	.6	4.4	2.0	.0	.0	7.0	
8-9	.0	.0	.9	.9	.0	.0	1.9	.0	.0	. 3	. 9	.0	.0	1.3	
10-11	.0	.0	.0	.6	.0	.0	.6	• 0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	« O	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TUT PCT	.5	7.0	14.7	3.9	• 0	• 0	26.1	. 8	11.9	25.6	3.0	.0	.0	41.3	
											NW				TOTAL
нст	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	NW 22-33	34-47	48+	PCT	TOTAL
HGT		4-10	11-21	¥ 22-33 .0	34-47		PCT	1-3	4-10 .6	11-21	22-33		48+	PCT 1.3	TOTAL
	.0	4-10 .0	11-21 .0			• 0	• 0				22-33 •0	34-47			TOTAL PCT
<1	.0	5.0	1.4	.0	•0	•0	6.4	.6	.6	.0	22-33 •0 •0	.0	.0	1.3	TOTAL PCT
<1 1-2	.0	.0	.0	.0	• 0	• 0	6.4	.6	.6	.0	22-33	.0	.0	1.3	TOTAL
<1 1-2 3-4	.0	5.0 2.0	.0 1.4 4.4 4.7	.0	•0 •0 •0	.0	6.4 6.4 4.7	.6 .0	.2	.0	22-33 .0 .0 .0	.0	.0	1.3 1.3 1.5	TOTAL
<1 1-2 3-4 5-6	.0	5.0 2.0	1.4	.0	•0	.0	6.4 6.4 4.7	.6 .0 .6	.0	.0 .2 .6	22-33 •0 •0	.0	.0	1.3	TOTAL
<1 1-2 3-4 5-6 7 8-9 10-11	.0	5.0 2.0 .0	1.4 4.4 4.7	.0	.0	.0	6.4 6.4 4.7	.6 .6 .0	.0	.0 .2 .6 .5	22-33 .0 .0 .0	.0	.0	1.3 1.3 1.5	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9	.0	5.0 2.0 .0	1.4 4.4 4.7	.0	.0	.0	6.4 6.4 4.7	.6 .0 .6 .0	.0	.0 .2 .6 .5	22-33	.0	.0	1.3 1.3 .5	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16	.0	.0 5.0 2.0 .0 .0	.0 1.4 4.4 4.7 .0	.0	.0	.0	.0 6.4 6.4 4.7 .6	.6 .0 .0 .0	.6	.0 .2 .6 .5	22-33	.0	.0	1.3 1.3 .5 .0	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19	.0	5.0 2.0 .0 .0	.0 1.4 4.4 4.7 .0	.0	.0	.0	0 6.4 6.4 4.7 .6	.6 .0 .0 .0	.0	.0 .2 .6 .5 .0	22-33	.0	.0	1.3 1.3 .5 .0	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	.0	5.0	.0 1.4 4.4 4.7 .0 .0	.0	.0	.00000000000000000000000000000000000000	6.4 6.4 4.7 .6 .0	.6	.00	.0 .2 .6 .5 .0 .0	22-33	.0	.0	1.3 .3 1.3 .5 .0	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.0	5.0 2.0 .0 .0 .0	.0 1.4 4.4 4.7 .0 .0 .0	.0	.0	.00000000000000000000000000000000000000	.0 6.4 6.4 4.7 .6 .0	.6 .0 .0 .0 .0	.00	.0 .2 .6 .5 .0 .0	22-33	.0	.0	1.3 1.3 1.3 .5 .0 .0	TOTAL PCT
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.0	5.0 2.0 .0 .0 .0	1.4 4.4 4.7 .0 .0 .0	.0	.0		.0 6.4 6.4 4.7 .6 .0 .0	.6	.00000000000000000000000000000000000000	.0 .2 .6 .5 .0 .0 .0 .0 .0 .0	22-33	.0	.0	1.3 1.3 1.3 .5 .0 .0	TOTAL PCT
1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	.00000000000000000000000000000000000000	5.0	1.4 4.4 4.7 .0 .0 .0	.00000000000000000000000000000000000000	.0	.00000000000000000000000000000000000000	.0 6.4 6.4 4.7 .6 .0 .0	.6	. 2 . 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0 .2 .6 .5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33	.0	.00000000000000000000000000000000000000	1.3	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 76-32 33-40 41-48	.0	5.00	1.4 4.4 4.7 0.0 0.0 0.0 0.0 0.0	.00000000000000000000000000000000000000	.0	000000000000000000000000000000000000000	.0 6.4 6.4 4.7 .6 .0 .0	.6		.0 .2 .6 .5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33	.0	.00000000000000000000000000000000000000	1.3	TOTAL PCT
1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 76-32 33-40 41-48 49-60	.00000000000000000000000000000000000000	5.0	1.4 4.4 4.7 .0 .0 .0	.00000000000000000000000000000000000000	.0		.0 6.4 4.7 .0 .0	.6	.00.00.00.00.00.00.00.00.00.00.00.00.00	.0 .2 .6 .5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33	.00000000000000000000000000000000000000	.00000000000000000000000000000000000000	1.3	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 76-32 33-40 41-48 49-60 61-70		5.00	1.4 4.4 4.7 0.0 0.0 0.0 0.0 0.0	.00000000000000000000000000000000000000	.0	000000000000000000000000000000000000000	.0 6.4 4.7 .0 .0 .0	.6		.0 .2 .6 .5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33	.00000000000000000000000000000000000000	.00000000000000000000000000000000000000	1.3	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86		5.0 2.0 .0 .0 .0 .0 .0	.0 1.4 4.4 4.7 .0 .0 .0 .0 .0 .0	.00	.0		0 6.4 6.4 4.7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	.60000000000000000000000000000000000000	.00.00.00.00.00.00.00.00.00.00.00.00.00	0 2 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	22-33	.00	.00000000000000000000000000000000000000	1.3	PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 76-32 33-40 41-48 49-60 61-70		5.0 2.0 .0 .0 .0 .0 .0	.001.444.444.444.700.000.000.0000.0000.0	.0	.0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	600000000000000000000000000000000000000	.00	.0 .2 .6 .5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33	.00000000000000000000000000000000000000		1.3	TOTAL PCT

MIND	SPEED	(KTS)	VS	SEA	HEIGHT	(FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.4	3.8	.0	.0	.0	.0	8.1	003
1-2	1.3			.0	.0	.0	30.6	
3-4	.6			.0	.0	.0	26.9	
5-6	.0			1.9	.0	.0	20.6	
7					.0	.0	10.0	
8-9					.0	0	3.1	
10-11	.0	.0	.0	.6	.0	0	.6	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0		.0	.0	
23-25	.0	.0	.0	.0		.0	.0	
26-32	.0	.0	.0	.0		.0	.0	
33-40	.0	.0	.0	.0		.0	.0	
41-48	.0	.0	.0	.0		.0	.0	
49-60	.0	.0	.0	.0		.0	.0	
61-70	.0	.0	.0	.0		.0	.0	
71-86	.0	.0	.0	.0		.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								160
TOT PCT	6.3	33.1	53.1	7.5	.0	.0	100.0	
	<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-49 49-60 61-70 71-86	\$\begin{array}{cccccccccccccccccccccccccccccccccccc	C1 4.4 3.8 1-2 1.3 18.1 3-4 .6 9.4 5-6 .0 1.3 7 .0 .6 8-9 .0 .0 .0 10-11 .0 .0 12 .0 .0 13-16 .0 .0 17-19 .0 .0 23-25 .0 .0 23-25 .0 .0 23-25 .0 .0 24-29 .0 .0 49-60 .0 .0 49-60 .0 .0 87+ .0 .0	C1 4.4 3.8 .0 1-2 1.3 18.1 11.3 2-4 .6 9.4 16.9 5-6 .0 1.3 17.5 7 .0 .6 6.3 8-9 .0 .0 1.3 10-11 .0 .0 .0 12 .0 .0 .0 13-16 .0 .0 .0 17-19 .0 .0 .0 23-25 .0 .0 .0 23-25 .0 .0 .0 23-40 .0 .0 .0 49-60 .0 .0 .0 87+ .0 .0 .0	\$\begin{array}{cccccccccccccccccccccccccccccccccccc	<1	<1	<1

PERIOD: (DVER-ALL) 1949-1972

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	6-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	2.2	10.4	10.0	3.5	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	63	3
6-7	.0	3.0	8.2	6.5	9.5	4.8	.9	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	77	5
8-9	.0	.0	. 9	10.4	9.1	7.4	3.0	. 4	. 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	7
10-11	.0	.0	.0	. 4	. 9	. 9	. 4	. 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	8
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
INDET	1.7	.0	.0	.9	.4	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	3
TOTAL	9	31	44	50	49	31	11	4	2	0	0	0	0	0	0	0	0	0	0	231	5
PCT	3.9	13.4	19.0	21.6	21.2	13.4	4.8	1.7	. 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DE	F	M	R	F	R	

PERIOD:	(PRIMARY)	1920-1969
	(QVER-ALL)	1855-1969

TABLE 1

AREA 0020 BARROW ISLAND 19.65 114.3E

PERCENT FREQUE	NCY OF WEATH	ER UCCURRENCE	BY WIND	DIRECTION	

			Р	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZII PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMDKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
N NE	.0	14.0	.0	.0	.0	.0	.0	14.0	.0	.0	.0	.0	9.3	.0	76.7
E	.0	15.6	.0	.0	.0	.0	.0	15.6	.0	.0	.0	.0	3.1	.0	81.3
SE	.0	2.8	.0	.0	.0	.0	.0	2.8	2.8	8.3	.0	.0	4.9	.0	81.3
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 9	.0	.0	1.6	.0	97.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	3.6	.0	95.9
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	5.5	.0	93.2
NW	4.7	.0	.0	.0	.0	.0	.0	4.7	.0	9.4	.0	.0	7.1	.0	83.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	• 0	.0	.0	.0	• 0	.0	.0	.0	11.1	• 0	88.9
TOT PCT	.2	.8	.0	•0	• 0	.0	.0	1.0	.2	1.5	.0	.0	3.5	.0	94.0

TABLE 2

PERCENT	ERFOUENCY	DF	WEATHER	OCCURRENCE	RY	HOUR

					15.55										
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG Wo PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00±03 06£09 12£15 18£21	.0	.e 1.1 1.1 .0	.0	.0	•0	.0	.0	.8 1.1 1.1 1.0	.0	.0 1.7 6.1	.0	.0	5.8 1.1 3.4	.0	93.4 97.9 93.8 92.9
TOT PCT	609	. 8	.0	.0	• 0	.0	.0	1.0	.2	1.5	.0	.0	3.4	.0	94.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

					-												
		WI	IN SPE	ED (KN	oTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.2	1.6	.2	.0	.0	.0		2.0	7.8	1.0	2,6	4.8	.0	3.0	.0	.0	.0
NE	. 7	. 4	. 2	. 2	. 1	.0		1.6	9.3	.6	4.0	2.6	.0	. 3	5.1	.0	.0
E	. 8	. 8	. 3	. 3		.0		2.3	9.9	2.1	4.3	. 5	2.7	1.9	.0	2.5	1.2
SE	1.3	2.5	1.9	• 1		.0		5.9	9.0	4.9	12.2	6.9	5.4	1.2	2.6	4.9	5.8
S	2.7	12.8	14.2			.0		32.7	12.2	44.4	27.5	38.0	34.5	26.9	23.1	38.3	16.9
SW	2.0	15.9	11.6			.0		37.3	11.7	35.7	31.2	36.0	43.9	42.8	39.7	33.6	48.3
W	1.0	7.1	4.6			.0		12.9	10.0	8.2	10.6	7.4	9.5	20.1	19.2	15.1	17.4
NW	. 5	2.3	. 4			.0		3.3	7.9	1.4	3.3		1.4	3.8	7.7	3.1	5.8
VAR	.0	.0	.0			.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0
CALM	2.0					• 0		2.0	.0	1.7	4.4		2.7	.0	2.6		4.7
TOT OBS	95	365	331	49	2	0	842		10.9	177	182	98	37	185	39	81	43
TOT PCT	11 3	42 2					0.1	100.0					100-0		100 0	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT FREQ	MEAN SPD	00	06 09	12 15	18
N	.6	1.4	.0	.0	.0		2.0	7.8	1.8	3.5	2.5	.0
NE	1.0	. 3	. 1		.0		1.6	9.3	2.3	1.9	1.1	.0
	1.2	. 7	. 1	.4	.0		2.3	9.9	3.2	1.1	1.6	2.0
SE	2.7	2.4	.7	.2	.0		5.9	9.0	8.6	6.5	1.5	5.2
S E	7.3	17.5	7.3	.7	.0		32.7	12.2	35.8	37.0	26.2	30.8
SW	7.2	22.4	7.4	. 3	.0		37.3	11.7	33.4	38.1	42.3	38.7
W	3.7	7.8	1.3	. 1	.0		12.9	10.0	9.4	8.0	20.0	15.9
NW	1.6	1.4	.1	. 1	.0		3.3	7.9	2.4	3.1	4.5	4.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	• 0	3.1	.7	. 4	3.2
TOT DAS	229	454	143	16	0	842		10.9	359	135	224	124
TOT PCT	27.2	53.9	17.0	1.9	.0		100.0			100.0	100.0	100.0

DECEMBER

PERIOD:	(PRIMARY)	1920-1969
	(DVER-ALL)	1855-1969

TABLE 4

AREA 0020 BARROW ISLAND 19.65 114.3E

PERCENTAGE	FREQUENCY	OF	WIND	SPEED	BY	HOUR	(GMT)

HQUR	CALM	1-3	4-10	WIND 11-21		KNOTS) 34-47	48+	MEAN	PCT	TOTAL
60300	3.1	15.3	47.1	29.8	4.5	.3	.0	9.5	100.0	359
90300	. 7	.7	37.8	57.0	3.0	.7	.0		100.0	135
12615	.4	7.6	42.4	41.1	8.5	.0	.0	11.9	100.0	224
18821	3.2	4.0	40.3	44.4	8.1	.0	.0	12.1	100.0	124
TOT	17	78	365	331	49	2	0	10.9		842
PCT	2.0	9.3	43.3	30.3	5 . A	. 2	.0		100.0	

TABLE 5

TABLE 6

P	CT FRE			CLOUD A		(EIGHTHS)							CEILIN					
WED DIR	0-2	3-4	5-7	8 & 085Ch	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	1.0	.0	. 2	.0		1.6	.0	.0	.0	.0	.0	.0	.0	. 2	.0	.0	1.0	
NE	.5	.0	.3	.0		2.4	.0	.0	.0	.0	.0	. 3	.0	.0	.0	.0	.5	
E	.6	. 3	.3	. 3		4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 3	1.2	
SE	2.6	. 9	1.4	. 3		3.3	.0	.0	.0	.0	. 3	. 7	.0	.0	.0	.0	4.2	
S	22.2	7.1	8.1	. 3		2.4	.0	.0	.0	.0	1.7	2.3	.3	.0	.0	.0	33.4	
SW	20.8	8.7	5.9	.6		2.4	.0	.0	. 3	.7	1.2	.6	.0	.0	.0	.0	33.1	
W	8.2	1.9	2.2	.7		2.3	.0	.0	.0	. 2	.6	. 8	.3	.0	.0	.0	11.1	
NW	2.0	. 3	1.0	.0		2.7	.0	.0	.0	.0	.6	. 3	.0	. 1	.0	.0	2.4	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 9	.3	.0	.0		1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
TUT OBS	187	62	62	7	318	2.4	0	0	1	3	14	16	2	1	0	1	280	318

TABLE 7

CUMULATIVE PCT FRE	O DF SIMULTANEOUS	DECURRENCE
	T (NH >4/8) AND VS	

				VSBY (NM	1)			
CEILING	* DR	= UR	= DR	= OR	= DR	= OR	= OR	= DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR >6500	.3	. 3	.3	.3	.3	. 3	.3	.3
OR >5000	.6	.6	.6	.6	.6	.6	.6	. 6
DR >3500	. 9	1.3	1.3	1.3	1.3	1.3	1.3	1.3
DR >2000	4.7	6.3	6.3	6.3	6.3	6.3	6.3	6.3
OR >1000	8.2	10.8	10.8	10.8	10.8	10.8	10.8	10.8
OR >600	8.9	11.7	11.7	11.7	11.7	11.7	11.7	11.7
DR >300	9.2	12.0	12.0	12.0	12.0	12.0	12.0	12.0
OR >150	9.2	12.0	12.0	12.0	12.0	12.0	12.0	12.0
OR > 0	9.2	12.0	12.0	12.0	12.0	12.0	12.0	12.0
TOTAL	20	20	20	20	28	28	20	3.8

TOTAL NUMBER OF OBS: 316 PCT FRED NH <5/8: 88.0

TABLE 74

PERCENTAGE FREQ DE LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	UBSCD	TOTAL
32.7	25.1	13.5	10.7	5 2	4.0	4.0	3.1	. 9	. n	227

F	1	2	M	R	=	P

								DEC	C. HOLL					
PERIOD:	(PRIMARY) 1 (DVER-ALL) 1	920-1969 855-1969						TAI	BLE 8				ARE	A 0020 BARROW ISLAND 19.65 114.3E
			P	RCENT	PREC	DF WIN	D DIRE	CTION Y	VS DCC	URRENC!	E OR N	IBILIT	URRENC Y	E OF
	VSBY (NM)		N	NE	Ε	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	<1/2	NO PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	1/2<1		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		PCP	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	1<2	NO PCP	.0	.0	.1	. 2	. 5	.2	. 2	. 1	.0	.0	1.3	
		TOT %	• 0	• 0	. 1	. 2	.5	.2	.2	.1	.0	.0	1.3	
		PCP	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	
	2<5	NE PCP	• 0	• 0	.0	.0	. 4	. 7	.0	.0	.0	.0	1.2	
		TOT %	•0	• 0	.0	.0	. 4	. 7	.0	.0	.0	.0	1.2	
		PCP	.0	• 2	.4	.2	.0	.0	.0	. 2	.0	.0	1.0	
	5<10	NO PCP	.0	. 3	. 4	. 5	2.7	5.3	3.4	. 7	.0	.0	13.3	
		TOT %	.0	.6	. 8	. 7	2.7	5.3	3.4	. 8	.0	.0	14.3	
		PCP	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	10+	NO PCP	2.4	1.2	1.7	5.1	31.5	28.1	9.2	2.6	.0	1.5	83.3	
		TOT %	2.4	1.2	1.7	5.1	31.5	28.1	9.2	2.6	.0	1.5	83.3	

TOT OBS TOT PCT 2.4 1.8 2.7 6.0 35.1 34.3 12.9 3.5 .0 1.5 100.0

TABLE 9

VSBY	SPD	N	NE	E	SF	S	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS												DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
()/2	4-10	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	•0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	. 2	.0	0.0	.0	.2	
1<2	4-10	.0	.0	.1	.1	. 4	. 2	. 1	. 1	.0		1.0	
	11-71	.0	.0	.0	. 2	. 2	. 2	.0	.0	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	• 1	. 2	.6	.4	.2	. 1	.0	.0	1.6	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
245	4-10	.0	.0	.0	.0	.0	. 2	.0	.0	.0		. 2	
	11-21	.0	.0	.0	.0	. 2	. 3	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	. 2	. 2	.0	.0	.0		.5	
	TOT %	.0	• 0	.0	.0	. 4	. 7	.0	.0	.0	.0	1.1	
	0-3	.0	.2	.2	.0	.1	. 4	.0	.0	.0	.0	.8	
5<10	4-10	.0	.0	.0	. 2	1.1	3.0	2.3	.6	.0	•	7.2	
	11-21	.0	.0	. 2	. 3	1.4	1.6	1.0	.2	.0		4.6	
	22+	.0	. 4	. 5	. 2	.0	.2	.0	.0	.0		1.3	
	TOT %	.0	.6	. 8	. 8	2.6	5.1	3.3	.8	.0	.0	13.9	
	0-3	.3	.8	.8	1.6	3.5	2.1	. 8	. 5	.0	1.4	11.8	
10+	4-10	1.8	. 2	. 9	2.4	11.3	10.4	4.1	1.7	.0		32.7	
	11-21	. 2	. 2	.0	1.1	14.2	14.8	3.9	. 4	.0		34.8	
	22+	.0	.0	.0		3.1	.9	.0	.0	.0		4.0	
	TOT %	2.4	1.2	1.7	5.1	32.0	28.2	8.8	2.5	.0	1.4	83.4	

DECEMBER

PERIOD: (PRIMARY) 1920-1969 (DVER-ALL) 1855-1969

TABLE 10

AREA 0020 BARROW ISLAND 19.65 114.3E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00003	.0	.0	.0	2.4	7.3	8.5	1.2	.0	.0	1.2	20.7	79.3	82
90300	.0	.0	1.2	.0	4.7	4.7	.0	1.2	.0	.0	11.6	88.4	86
12615	.0	.0	•0	1.3	1.3	2.6	.0	.0	.0	.0	5.3	94.7	76
18621	• 0	.0	•0	.0	3.8	3.8	1.3	.0	.0	.0	8.9	91.1	79
TOT	.0	.0	.3	3	14	16	2	1	0	1	38	285	323

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	Y (NM)	BY HOUR		CUMULAT	IVE PCT	FREQ IG HGT	OF RAN	GES DF NH >4/8	VSBY (NM)	AND/DR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 < 5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
60300	.0	• 0	1.2	•0	8.5	90.3	247	00803	.0	.0	2.4	18.3	79.3	82
06609	.0	• 0	1.0	.0	6.0	93.0	100	06609	.0	1.2	1.2	10.7	88.1	84
12615	.0	•0	8 • 8	3.9	25.4	68.0	181	12615	.0	.0	1.4	4.1	94.5	73
18821	.0	•0	1.0	.0	18.4	80.6	103	18821	.0	.0	.0	9.1	90.9	77
TUT PCT	.0	0	10	7	92 14.6	522 82.7	631 100.0	TOT PCT	.0	.3	1.3	34	278 88.0	316 100.0

					ABLE 1	3									TABL	E 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUEN	Y DF	VIND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-50	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	. w	NW	VAR	CALM
95/99	.0	.0	.4	.0		.0	.0	.0	3	.6	.2	.0	.0	. 2	. 2	.0	.0	.1	.0	.0
25/89	.0	. 2	.4	1.0	1.9	.0	. 8	.0	21	4.4	.2	.0	.6	. 2	1.7	1.2	.6	.0	.0	.0
80/84	.0		1.0	2.1	2.5	2.3	3.4	.6	57	11.9	• 2	.6	.6	2.0	4.7	2.1	1.0	.4	.0	.2
75/79	.0	.0	.0	1.5	5.0	10.5		5.5	159		1.4	. 9	1.2	3.1	7.5	10.8	5.5	2.3	.0	. 6
70/74	.0		.0			13.2	14.3	5.2	181	37.9	.0	. 2	. 2	1.2	16.4	12.5	5.8	1.0	. 0	. 5
65/69	.0		.0	.6		4.0		1.3	53	11.1	•0	• 0	• 0	.0	6.1	4.5	. 5	.0	.0	.0
TOTAL	0	1	13	30	.2 78	144	150	61	477	100.0	•0	• 0	•0	• 2	. 4	• 0	.0	.0	.0	.0
PCT	.0	• 2	2.7	6.3	16.4	30.2	31.4	12.8			2.0	1.8	2.6	6.9	37.1	31.2	13.4	3.7	.0	1.5

TARLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	2
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	98 88	94 87	90	81	73 75	70	66	80.9	347 127	£0300	.0	13.3	17.4	27.7	29.2	12.3	75	195
12615	96	90	88	80	74	73	73	80.0	218	12615	.0	11.3	10.6	29.8	27.1	7.1	75	70 141
18821	83 98	93	82	77 80	72	70	70	77.3	122	18621	.0	1.3	7.9	34.2	39.5	17.1	81	76
	,,	,,	0.0	0.0	13	10	66	80.0	814	TOT	0	44	78	144	153	63	77	482

DECEMBER

PERIOD: (PRIMARY) 1920-1969 (DVER-ALL) 1855-1969

AREA 0020 BARROW ISLAND TABLE 17 19.65 114.3E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE DCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	65	69	73	77	81	85	89	TOT	W	WD
TMP DIF	68	72	76	80	84	88	92		FOG	FOG
9/10	.0	.0	.0	.3	.0	.6	.0	3	.0	.9
7/8	.0	.0	.0	.0	.6	. 3	. 3	4	.0	1.2
6	.0	.0	.3	.6	.9	.6	.0	8	.0	2.4
6 5 4 3	.0	.0	.0	.6	1.8	. 3	.0	6	.0	1.8
4	.0	.0	.6	1.2	1.8	1.2	.0	16	.0	4.8
3	.0	.0	. 3	.3	1.2	.0	.0	6	.0	1.8
2	.0	.0	.6	3.0	2.7	1.2	.0	25	.0	7.5
	.0	.0	2.7	3.0	4.5	. 3	.0	35	.0	10.5
0 -1	.3	. 3	4.5	4.5	4.2	. 3	.0	47	.0	14.1
-1	.0	.0	4.8	7.5	3.0	.0	.0	51	.0	15.3
-2	.0	. 6	4.8	6.3	3.3	.0	.0	50	.0	15.0
-3	. 3	. 9	3.9	3.9	3.3	.0	.0	41	.0	12.3
-4	.0	.9	1.5	1.5	1.2	.0	.0	17	.0	5.1
-5	.0	.0	2.4	1.8	3	.0	.0	15	.0	4.5
-6	.0	.0	.0	.3	.0	.0	.0	1 9	.0	. 3
-7/-8	.0	.0	1.2	1.5	.0	.0	.0	9	.0	2.7
TOTAL	2		92		93		1		0	334
		9		121		16		334		
PCT	. 6	2.7	27.5	36.2	27.8	4.8	. 3	100.0		100.0

PERIOD: (DVER-ALL) 1963-1969

								T	ABLE 18						
				PC	T FRED C	F WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.2	.0	.0	•0	• 0	1.2		.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	• 0	• 0	.0		• 0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.5	.0	• 0	•0	. 5		.0	.0	.5	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
R-9	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	•0	. 0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	•0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0		•0	•0	.0		.0	.0	.0,	.0	.0	.0	.0
20-22	.0	.0	.0	.0	• 0	•0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0		.0	• 0	• 0	. C		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	•0	•0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	• 0	• 0	.0		•0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	• 0	• 0	.0		.0		.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	• 0	• 0	.0		• 0		.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	•0	• 0	1.7		.0	.0	.0	.0	.0	.0	.0
UI PUI	.0	1.2	• • •	.0	•0	•0	1.7		•0		• • •	•0	.0	.0	.5
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	. 5	.0	.0	.0	• 0	• 0	.5		1.0	1.1	.0	.0	.0	.0	2.1
1-2	.0	1.8	.0	.0	.0	.0	1.8		.0	. 7	1.0	.0	.0	.0	1.7
3-4	.0	.0	.0	.0	• 0	.0	.0		• 0	.6	2.1	.0	.0	.0	2.7
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	. 0	.0	.0	.0	.0	. 0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	• 0	• 0	.0		• 0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	. 5	1.8	.0	.0	.0	.0	2.3		1.0	2.4	3.0	.0	. 0	.0	6.4
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.,											.0			

AREA 0020 BARROW ISLAND 19.65 114.3E

TABLE	18	(CONT)
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				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	TION	VERSUS S	SEA HEIG	HTS (FT)			
				5								SW				
HUT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT 1.7	
<1	.4	. 8	.0	.0	• 0	•0	1.2		1.1	5.5		.0	.0	.0		
1-2	.0	3.9	3.0	.0	• ()	• 0	6.9		.0	5.2		.0	.0	.0	7.4	
3-4	.0	2.4	7.5	.5	•0	•0	10.4		.0	.5		.0	.0	.0	13.8	
5-6	.0	.0	5.5	2.3	• 0	•0	7.8					.6	.0	.0		
8-9	.0	.0	.8	1.5	• 0	•0	1.3		.0	.0		.0	.0	.0	1.2	
	.0	.0			•0	•0	2.2			.0		.5	.0			
10-11	.0	.0	.0	.5	.0	• 0	. 5		.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	•0	.0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	•0	•0	.0		.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	• 0	.0		.0			.0	.0	.0	.0	
20-22	.0	.0	.0	.0	• 0	• 0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	•0	.0	.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	• 0	.0		.0			.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	• 0	.0		• 0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	• 0	.0		•0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	• 0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	• 0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	. 4	7.2	17.6	5.2	• 0	.0	30.3		1.1	11.8	24.2	1.1	.0	.0	38.1	
				W												TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.5	1.7	.0	.0	•0		2.2		•0	.8					.8	FCI
1-2	.0	2.5	3.2	.0	.0		5.7		.5	1.1		•0	.0	.0	1.7	
3-4	.0	1.3	3.2	.0	.0		4.5		.0			.0	.0	.0	1.1	
5-6	.0	.5	1.7	.0	.0	0.0	2.2		.0	.0		.0	.0	.0	.0	
7	.0	.0	.0	.0	.0		.0		.0	.0			.0		.0	
8-9	.0	.0	.5	.0	•0	.0	.5		.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0		.0		.0	.0					.0	
12	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
17-19		.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	•0	.0	.0		.0	.0		.0	.0	.0	.0	
26-32				.0			.0			.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	•0	.0	.0			.0		.0	.0	.0	.0	
49-60			.0			•0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0		.0	• 0	• 0	.0			.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	•0	• 0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0			• 0	• 0	.0			.0		.0	.0	.0	.0	
	.0	.0	8.5	.0	• 0	.0	.0		.0	2.5		.0	.0	.0	.0	00 1
TOT PCT	.5	6.1	8.5	.0	• 0	•0	15.0		. 5	2.5	.6	.0	.0	.0	3.6	98.1

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	5.3	6.3	.0	.0	.0	.0	11.7	OBS
1-2	. 5	15.5	9.2	.0	.0	.0	25.2	
3-4	.0	10.2	22.8	.5	.0	.0	33.5	
5-6	.0	1.0	15.0	2.9		.0	18.9	
7	.0	.0	5.8	.5	.0	.0	6.3	
8-9	.0	.0	1.9	1.9		.0	3.9	
10-11	.0	.0	.0	. 5	.0	.0	. 5	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	• 0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								206
TOT POT	E 0	22 0		4 2	0	0	100 0	

PERIOD: (DVER-ALL) 1950-1969

				PERCENT	FRE	DUENCY	OF WA	VE HFI	GHT (F	r) vs	WAVE P	ERIDD	(SECON	05)						
<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
4.5	9.0	7.9	7.1	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	81	3
•0	. 4	6.7	7.1	7.5	8.2	. 7	. 4	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	84	6
.0	. 4	1.5	7.1	7.9	4.9	1.5	. 4	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	64	7
• 0	.4	1.9	.0	.7	1.9	1.1	1.1	. 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	8
.0	.0	. 4	.0	.0	.0	. 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
• 0	.0	.0	.0	. 4	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	12
1.5	.0	1.5	.0	. 4	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	3
16	10.1	19.9	21.3	18.7	15.4	4.1	1.9	2.6	.0	.0	.0	.0	.0	.0	.0	0	.0	.0	267	5

ANNUAL

PERIND:	(PRIMARY)	1877-1972
	(DVER-ALL)	1855-1972

TABLE 1

AREA 0020 BARROW ISLAND 19.95 114.6E RECTION

PERCENT PREDUENCY	DF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
WNO DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FDG WO PCPN	FOG WO PCPN PAST HR	SMDKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND S1G WEA
N NE	2.3	1.6	.0	•0	•0	.0	.0	3.9	1.3	1.8	1.1	.0	1.3	.0	91.8
E	2.4	2.0	. 8	.0	.0	.0	.0	5.3	. 7	. 4	.1	.0	. 9	.0	92.7
S E S	2.2	1.1	.8	.0	.0	.0	.1	1.1	1.5	1.5	:1	.0	1.2	.0	91.6
SW	1.0	.6	.4	.0	.0	.0	.0	1.8	.3	1.0	.4	.0	1.9	.0	94.7
W NW	2.4	1.0	.0	.0	.0	.0	.0	3.4	1.0	3.1	.2	.0	3.7	.2	88.8
VAR CALM	1.2	.0	.0	.0	.0	.0	.0	1.2	.0	.7	.0	.0	5.5	.0	92.3
TOT PCT TOT OBS:	7350	.6	.3	.0	•0			2.0	.3	1.1	.2	.0	2.1		94.2

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG NO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	1.2 .6 1.1 1.5	.7	.2	.0	.0	.0	.0	2.1 1.3 1.9 2.6	.2 .7 .2 .4	.1 2.0 3.0	.1	.0	2.2 2.8 2.3	.0 .1 .0	95.2 94.7 93.4 93.2
TOT PCT TOT OBS:	1.1 7460	.6	.3	•0	•0	.0		2.0	.3	1.1	.2	.0	2.1	٠	94.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				FERG	ENTAGE	FREGUE	MC I DI	H 1110 C				0 0	JOK				
		WIT	IN SPE	ED (KN	וצדם									(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	. 8	1.8	.6		.1	.0		3.3	7.6	2.3	3.5	3.7	4.9	4.5	2.8	1.4	2.1
NE	1.0	2.8	1.5	. 2		.0		5.4	8.9	3.5	6.9	6.2	9.2	6.1	4.8	4.1	2.8
E	1.1	4.8	4.1	1.0	. 1	.0		11.1	10.8	10.9	13.3	14.6	12.9	8.8	10.0	9.5	10.2
SE	1.4	6.8	6.6		. 2	.0		16.3	11.5	19.6	19.8	15.3	13.9	11.5	12.9	16.9	19.1
S	1.8	11.0	10.8		.1	.0		25.8	11.7	32.2	24.7	26.7	18.9	22.3	21.3	28.5	25.9
SW	2.0	9.8				.0		21.3	10.1	20.3	17.6	19.2	18.9	25.4	24.3	21.2	23.3
W	. 9	5.2	3.3		. 1	.0		10.0	9.0	6.7	7.8	8.4	12.8	13.1	14.4	9.7	10.5
NW	. 7	2.7	.9			.0		4.4	7.7	2.5	3.7	4.1	7.3	5.8	6.7	2.8	4.5
VAR	.0	.0	•0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5
CALM	2.5					• 0		2.5	.0	2.0		1.7	1.2	2.4	2.9	5.7	1.5
TOT OBS							13468		10.7	2870		1232	1007	2901	988	1126	1150
TOT PCT	12.0	44.8	36 . 1	6.4	.6	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

		WIND	SPEED	(KNOTS)						HOUR	COMT	
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	20	06	12	18
						DRS	FREQ	SPD	03	09	15	21
N	1.8	1.2	. 2	. 1			3.3	7.6	2.9	4.3	4.0	1.8
NE	2.3	2.4	.6	. 1			5.4	8.9	5.0	7.7	5.8	3.4
F	3.2	5.0	2.5	.4	*		11.1	10.8	11.9	13.7	9.1	9.9
SE	4.2	7.8	3.9	. 4			16.3	11.5	19.8	14.7	11.8	18.1
5	6.2	13.3	5.9	.3			25.8	11.7	28.8	23.3	22.1	27.5
SW	6.0	11.8	3.3	. 2			21.3	10.1	19.1	19.1	25.2	22.1
w	3.3	5.1	1.4	.2			10.0	9.0	7.2	10.1	13.5	10.1
NW	2.1	1.9	.3				4.4	7.7	3.0	5.5	6.0	3.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM TOT DAS	2.5					13468	2.5	10.7	5064	2239	3889	2276
TOT PCT	31.5	48.6	18.1	1.7	.2		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1877-1972 (OVER-ALL) 1855-1972

TABLE 4

AREA 0020 BARROW ISLAND 19.95 114.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21		34-47	48+	MEAN	FREQ	OBS
00603	2.3	13.3	44.4	33.5	5.9	.6	.0	10.2	100.0	5064
90300	1.5	4.7	42.2	44.6	6.1	. 9	.0	11.7	100.0	2239
12615	2.5	9.4	47.4	33.9	6.2	.6	.0	10.5	100.0	3889
19621	3.6	5.4	43.8	38.5	8.2	.6	.0	11.4	100.0	2276
PCT	2.5	9.5	44.8	36.1	5.4	.6	.0		100.0	

	CT FRE	0 DE T	DIAL C	LOUD A	MOUNT (EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN	G HEIG	HTS (F	T, NH 2	4/8)	
	CI INC			DIREC						AND DC	CURREN	CE OF	NH <5/	B BY W	IND DI	RECTIO	IN	
				VINCO	-,411	MEAN												12122
WND DIR	0-2	3-4	5-7	3 8	TOTAL	CLOUD	000	150	300	600	1000	2000	3500	5000		8000+	NH <5/8	
				DBSCD	nBS	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	DBS
N	1.8	.4	.6	.2		2.2	.0	.0	.0		.2	.1			.0			
NE	3.1	.6	. 8	. 6		2.3	.0	.0	.0	. 1	. 4	.5	.1		.0	*	4.0	
E	6.4	1.2	2.1	. 0		3.0	.0	.0	.0	. 2	. 7	.7	.1	• 1	*	. 3	9.0	
SE	10.6	1.7	2.6	1.1		2.6		.0		. 5	. 8	.7	.1	. 1		.2	13.5	
3 -	17.3		4.3	1.0		2.2	.0	.0	. 1	. 3	1.4	1.2	.2		.1	. 2	23.4	
2		4.2				2.2	.0	.0	. 1	. 2	. 8	. 8	.2		.1	. 1	18.1	
SW	13.0	3.7	3.1	.6		2.0	.0	.0		. 3	.6	. 3	.1	.0	.0	. 1	8.6	
W	6.4	1.5	1.5	• '		2.5	.0	.0		. 2	.2	.2					3.4	
NW	2.2	.7	.9	• •					.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	, ^		.0	.0	.0				.0					3.2	
CALM	2.8	. 2	. 3	. 1		1.4	.0	.0	.0		.1		.0	.0	.0	• 1	3.6	2022
TOT OBS					3822	2.2												3822
TOT PCT	64.1	14.2	16.2	5.5	100.0			.0	. 2	1.9	5.4	4.4	. 9	. 3	. 2	1.0	85.7	100.0

TABLE 7

CUMULATIVE !	PCT	FREQ	DF	SIMULT	ANEQU	S DCC	URRENCE
UF CEILIN	G H	IGHT	(NH	>4/8)	AND	VSBY	(NM)

				VSBY (NM	1)			
CEILING	• DR	- OR	= DR	= DR	= DR	= OR	- DR	- DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
■ DR >5000	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5
. DR >3500	2.1	2.3	2.4	2.4	2.4	2.4	2.4	2.4
- QR >2000	5.9	6.6	6.8	6.8	6.8	6.8	6.8	6.8
• QR >1000	9.9	11.7	12.1	12.1	12.1	12.1	12.1	12.1
■ DR >600	11.1	13.4	14.0	14.1	14.1	14.1	14.1	14.1
■ DR >300	11.2	13.6	14.1	14.3	14.3	14.3	14.3	14.3
• OR >150	11.2	13.6	14.1	14.3	14.3	14.3	14.3	14.3
• DR > 0	11.2	13.6	14.2	14.3	14.3	14.3	14.3	14.3

TOTAL NUMBER DF D85: 3865 PCT FREQ NH <5/81 85.7

TABLE 74

PERCENTAGE FREW OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 38.8 22.0 11.8 7.6 4.8 3.9 3.5 3.3 4.2 * 4051

							AN	NUAL						
(PRIMARY) 1 (OVER-ALL) 1							TA	BLE 8				ARE		BARROW ISLAND 19.95 114.6E
		9.9	RCENT				CTION TH VAR						E OF	
VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
	PCP	.0	.0	.0		.0	.0	.0	.0	.0	.0			
<1/2	NO PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT *	• 0	.0	.0	*	.0	.0	.0	.0	.0	.0			
	PCP	• 0	.0	.0		.0	.0	-0	.0	.0	.0			
1/2(1	NO PCP	• 0	.0	.0	.0	.0	.0	.0		.0	.0			
	TOT %	.0	.0	.0		.0	.0	.0		.0	.0			
	PCP			.0		.1		.0		.0	.0	. 2		
1<2	NO PCP	.0	.0		. 1	. 1	• 1	. 1	. 1	.0		.4		
	TOT *		*		.1	. 1	.1	.1	. 1	.0		.6		
	PCP		*	.1	. 1					.0		.3		
2<5	NO PCP	• 1	. 1	. 1	. 2	.6	.6	. 1	. 1	.0		1.9		
	TOT %	• 2	• 1	.2	. 3	.6	.6	.2	.1	.0	*	2.2		
	PCP	• 1	. 1	. 2	.1		. 1	.1	.1	.0		. 9		
5<10	NO PCP	.7	1.0	2.1	2.2	3.8	3.5	2.3	1.0	.0	.3			
	TOT %	. 8	1.1	2.3	2.3	3.9	3.5	2.4	1.1	.0	. 3	17.7		
	PCP	*		. 1	.2	. 1	.1		.1	.0	.0	.7		
10+	NO PCP	2.7	4.1	8.1	12.0	22.6	17.3	6.6	2.6	.0	2.6	78.8		
	TOT %	2.7	4.2	8.2	12.1	22.8	17.4	6.7	2.7	.0	2.6	79.5		
	TOT DBS												7347	
	TOT PCT	3.7	5.5	10.7	14.8	27.4	21.7	9.3	3.9	.0	3.0	100.0		

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD	N	NE	E	SE	S	SW	*	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0			.0			
<1/2	4-10	*	*	*	*	.0	*	.0		.0		. 1	
	11-21	.0	*	*	.0	.0	.0	.0	.0	.0			
	22+	.0	.0	.0	*	.0	.0	.0	.0	.0			
	TOT %	*	*	*		.0			*	.0		. 2	
	0-3	.0		.0	.0	.0	.0	.0	.0	.0			
1/2<1	4-10	*	*	.0	*	*	*		.0	.0		.1	
	11-21	.0	*	.0	*	*		.0	.0	.0		. 1	
	22+	.0	.0	.0	.0					.0		. 1	
	TOT %	*	*	.0	*	*	. 1	•	•	.0		. 2	
	0-3		*							.0		.2	
1<2	4-10	.1	• 1	. 1	. 1		.3	. 3	. 1	.0		1.3	
	11-21		. 1	. 1	.1	. 2			. 1	.0		1.2	
	22+	.0				.2	. 1		.0	.0		. 4	
	TOT %	. 1	• 2	.2	.2	. 7	.9	.5	. 2	.0		3.2	
	0-3	.1		.0			. 1			.0			
2<5	4-10	*	*	. 1	. 1	.3	. 2			.0		. 8	
	11-21				*	.1	. 1			.0		. 4	
	22+					. 1	*			.0		. 3	
	TOT %	. 1	• 1	. 1	. 2	.5	.4	. 1	. 1	.0		1.7	
	0-3	. 2	.4	.3	. 2	.3	.5	.4	. 2	.0	.7		
5<10	4-10	. 7	1.3	1.6	1.9	2.9	2.9	2.1	1.2	.0		14.7	
	11-21	. 2	.6	1.2	1.7	3.0	2.6	1.4	.4	.0		11.2	
	22+	. 1	.1	. 4	.5	. 7	.3	. 1		.0		2.2	
	TOT %	1.2	2.5	3.5	4.3	6.9	6.3	4.1	1.9	.0	.7	31.4	
	0-3	.6	.7	.7	1.1	1.6	1.5	.6	. 5	.0	2.0	9.4	
10+	4-10	1.2	1.6	2.9	4.4	7.6	6.6	3.2	1.5	.0		29.2	
	11-21	. 4	. 8	2.2	3.2	7.5	5.7	1.9	. 4	.0		22.0	
	22+		. 1	. 5	. 5	1.3	. 4	.1		.0		2.9	
	TOT %	2.3	3.2	6.3	9.2	18.0	14.2	5.8	2.4	.0	2.0	63.4	
	OT DAS												10478
T	OT PCI	3.8	6.1	10.1	14.1	26.1	22.0	10.5	4.6	.0	2.8	100.0	

PERIOD: (PRIMARY) 1877-1972 ((IVER-ALL) 1855-1972

TABLE 10

AREA 0020 BARROW ISLAND 19.95 114.6F

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND DECURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600	1000 1999		3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.1	.0	• 1	2.5	6.2	5.5	1.1	. 3	.4	1.2	17.4	82.6	1042
90300	.0	.0	• 1	1.7	4.7	4.8	.3	.4	.1	1.4	13.6	86.4	958
12815	.0	.0	• 2	1.7	4.3	2.9	.8	. 3	. 1	.4	10.8	89.2	1015
18821	.0	.0	.3	1.5	5.6	3.7	1.3	.1	.1	1.0	13.6	86.4	985
TOT		.0	• 2	1.8	5.2	4.3	. 9	.3	. 2	1.0	13.8	86.2	4000

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
60300	. 3	. 2	2.5	1.0	27.5	68.5	4033	60300	.1	.3	3.4	14.7	81.9	1000
06609	.1	•0	3.4	.6	27.9	68.0	1678	06609	.0	.1	2.6	11.7	85.7	939
12815	. 1	.4	4.8	3.4	39.8	51.6	3254	12615	.0	.2	3.0	8.8	88.2	974
18821	.1	• 2	1.9	. 8	33.0	63.9	1791	18821	.0	.3	2.8	11.6	85.7	952
TOT	. 2	•2	3.2	1.6	32.1	62.7	10756	TOT		.2	2.9	11.7	85.3	3865

TARLE 13

TABLE 14

	PERC	ENT FR	EQUENC	Y DF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL F	ест		PERC	ENT FF	EQUEN	YOF	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	50-69	70-79	80~89	90-100		REQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.1				.0	.0		. 2									.0	
90/94	*	.1	. 1	. 4	.5	.4	. 1		1	. 6	.1	.1	. 2	. 1	. 4	.3	.1	. 1	.0	
85/89	.0	.1	. 4	1.0	1.8	3.4	2.2	. 5	9	.4	.7	.7	.6	. 9	1.5	1.9	1.8	. 9	.0	. 4
80/84		.1	. 5	1.3	3.7	7.4	9.0	3.3	25	5.5	1.3	1.7	2.2	2 - 8	4.5	5.9	4.3	2.1	.0	. 8
75/79	.0	.1	. 8	2.4	4.0	9.2	7.6	3.5	27	7.6	1.1	1.7	2.8	3.3	7.2	6.3	3.2	1.3	.0	. 6
70/74	*	.1	1.4	3.0	5.4	5.7	5.5	2.4	23	3.6	. 7	1.5	2.7	3.5	7.0	5.1	1.8	. 7	.0	. 7
65/69	.0	. 1	. 5	1.7	2.1	2.5	2.1	. 9	9	.9	.1	.5	1.2	2.7	3.2	1.6	.3	. 1	.0	. 3
50/64	.0	.0	.1	. 3	.5	.5	. 4	. 2	2	2.0	.0		. 3	. 7	. 5	. 4			.0	
55/59	.0	.0	.0	.0		. 1		. 1		. 2		.0			.1			*	.0	.0
50/54	.0	.0	.0	.0	.0	.0		.0		*	.0			.0	.0	.0	.0	.0	.0	.0
TOTAL									7948 100	0.0										
PCT	. 1	. 6	3.8	10.2	18.0	29.3	27.1	10.9			4.0	6.2	10.0	14.1	24.5	21.6	11.7	5.2	.0	2.9

TAPLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	2
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	98 96	89	85	78 79	73	70	52	77.2	5007 2197	00603	:1	18.1	18.0	29.4	24.4	10.1	73	2999
12615	98 91	86 82	83 81	77 76	71	69	56 58	76.9 75.3	3872 2260	12615 18621	.0	10.5	15.6	29.3	30.9	13.8	76 76	2505 1409
101	98	88	94	77	70	67	52	77.0	13336	TOT	5	1241	1515	2377	2173	892	74	8203

ANNUAL

PERIOD: (PRIMARY) 1877-1972 (DVER-ALL) 1855-1972

TABLE 17

AREA 0020 BARROW ISLAND 19.95 114.65

PC.	T FREQ	OF A	IR TE	MPERA V	TURE S AIR	OEG -SEA	F) AN	D THE		RRENCE FERENCE		WITHO	UT PRECIPITA	TION)
AIR-SEA	57	61	65	69	73	77	81	85	89	>92	TOT	W	WD	
TMP DIF	60	64	68	72	76	80	84	88	92			FOG	FOG	
14/16	.0	.0	.0	.0	.0	.0				.0	3	.0	.1	
11/13	.0	.0	.0	.0	. U	*	. 1	. 1	. 1	. 1	20	.0	. 5	
9/10	.0	.0	.0	.0		. 1	. 1	. 2	. 1	.0	28		.6	
7/8	.0	.0	.0	. 1	. 2	. 1	.7	. 2	. 3	*	71		1.6	
6	.0	.0	.0	. 1	.3	. 1	.3	. 3	. 2	.0	56	.0	1.3	
5	.0	.0	. 1	. 1	. 2	.6	.6	.6	. 1	.0	98	.0	2.3	
4	.0	.0		. 1	. 2	. 7	1.2	. 9	. 1	.0	138	*	3.2	
3	.0	.0	. 1	. 1	.6	. 8	1.1	. 8	. 1	.0	153	.0	3.5	
2	.0	.0	. 1	. 2	1.3	2.1	2.3	1.2	. 1	.0	310		7.2	
1	.0	.0	. 1	.6	1.5	2.1	2.6	1.2	.0	.0	340		8.0	
0	.0	*		. 9	3.6	4.2	5.1	1.1	.1	.0	640	. 1	15.0	
-1	.0	. 1	. 1	1.2	3.9	3.9	3.8	.6	.0	.0	580	. 1	13.5	
-2	.0	.0	. 2	2.1	3.7	4.0	3.7	.3	*	.0	593		14.0	
-3	.0	*	. 2	1.9	2.9	2.4	1.9	. 1	.0	.0	404		9.5	
-4		.0	.4	1.8	1.8	2.0	1.0		.0	.0	294		7.0	
-5	.0	. 1	. 5	1.4	1.4	1.2	. 4	. 1	.0	.0	208		5.0	
-6	.0	*	. 5	. 8	.7	.3	. 1	.0	.0	.0	102	.0	2.5	
-7/-8	.0	. 2	.6	. 9	. 9	. 5	. 1	.0	.0	.0	132	.0	3.2	
-9/-10	*	. 2	. 4	. 3	. 1	. 1	.0	.0	.0	.0	47	.0	1.2	
-11/-13	*	. 2	. 2	.1		.0	.0	.0	.0	.0	20	.0	.5	
-14/-16 TOTAL		*		.0	.0	.0	.0	.0	.0	.0	4241	.0	.1	

100.0

.3 99.7

.9 3.6 12.8 23.4 25.1 25.3 7.8 1.1 .1

PERIOD: (DVER-ALL) 1963-1972

PCT

. 1

TABLE 18

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 22 33-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ TOT PCT 4-10 .93 .00 .00 .00 .00 .00 .00 .00 48+ 34-47 27-33 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 26-22 33-29 41-88 49-60 61-70 71-86 87-7 11-21 .0 .7 2.3 1.7 .4 .2 .0 .0 .0 .0 .0 .0 34-47 48+ 48+ PCT 1.3 5.5 4.1 2.8 1.2 .1 .0 .0 .0 .0 .0 1-3 11-21 0 1.27 2.7 2.2 .7 .0 .0 .0 .0 .0

PERIOD: (DVER-ALL) 1963-1972

TABLE 18 (CONT)

AREA 0020 BARROW ISLAND 19.95 114.6E

HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT 61 1-3 1.3 1-3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.					PC	T FREQ (F WIND	SPEED	(KTS) AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT			
\$\begin{array}{cccccccccccccccccccccccccccccccccccc					5											
1-2	HGT	1-3		11-21		34-47	48+	PCT		4-10	11-21					
3-4	<1	. 3	1.3		.0	.0	.0	1.6		. 8		.0	.0	.0	1.1	
7	1-2	. 1				• 0	.0	6.9			1.7					
7	3-4		2.0	5.1		.0	.0	7.4	.0	1.8	4.2	. 1	.0	.0		
10-11	5-6	.0	.6	4.4	. 8	.0	.0	5.8	.0			. 3	.0			
10-11 0	7	.0	.1	1.9	. 4	.0	.0	2.4	.0	. 1	1.7	.3	.0	.0	2.1	
10-11	8-9		. 1	.5	.7	.1	.0	1.4	.0	. 1	. 1	. 3		.0	. 5	
13-16	10-11				. 2	.0			.0	.0			.0	.0	. 2	
13-16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									.0	.0				.0	.0	
17-19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						.0			.0	.0				.0		
20-22	17-19			.0	.0	.0	.0	- 0	.0	.0	.0	.0	.0	.0	.0	
23-25										.0					.0	
26-32										.0						
33-40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					.0	.0			.0	.0		.0		.0	.0	
41-48										.0					.0	
49-00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																
61-70																
71:86																
## HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT 61 2.2 1.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																
TOT PCT .5 8.8 14.2 2.3 .1 .0 25.9 .5 7.7 11.1 1.10 20.4 HGT 1-3 4-10 11-21 22-33 34-47 48. PCT																
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT C1 .2 1.3 .0 .0 .0 .0 .0 1.5 .2 .6 .0 .0 .0 .0 .0 .8 .1-2 .1 3.0 .7 .0 .0 .0 3.8 .1 1.2 .2 .0 .0 .0 .0 .0 1.5 .3 .4 .1 .0 .0 .0 1.7 .0 .2 .9 .1 .6 .3 * .0 .0 .0 .9 .5 .6 .0 .3 1.4 .1 .0 .0 .0 1.7 .0 .2 .2 .0 .0 .0 .0 .0 .4 .7 .0 .3 .2 .0 .0 .0 .5 .0 .4 .3 .0 .0 .0 .4 .4 .9 .0 .0 .3 .2 .0 .0 .0 .5 .0 .4 .3 .0 .0 .0 .0 .4 .4 .9 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																
HOT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT 1-2 1-3 1-2 1-3 1-2 1-2 1-3 1-2 1-2 1-3 1-2 1-2 1-3 1-2 1-2 1-2 1-3 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2		• •					• •					•••				
HOT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT 1-2 1-3 1-2 1-3 1-2 1-2 1-3 1-2 1-2 1-3 1-2 1-2 1-3 1-2 1-2 1-2 1-3 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2																
C1					W							NW				
1-2																PCT
3-4						.0										
5-6	1-2					.0	.0		.1			.0				
7 0 * 3 2 0 0 0 5 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0						.0										
R-9																
10-11						.0	.0	. 5								
12						.0	.0	. 1			.0	.0				
13-16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						.0	.0	.0								
17-19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12				.0	.0	.0	.0				.0				
20-22				.0	.0	.0	.0	.0								
23-25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	17-19	.0	.0	.0	.0	• 0	.0	.0	.0		.0	.0	.0			
26-32	20-22	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	23-25	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	
33-40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	26-32				.0	.0			.0	.0		.0		.0		
41-46 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	41-48			.0	.0	.0	.0		.0	.0				.0	.0	
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	49-60				.0	.0			.0	.0				.0	.0	
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	61-70					.0			.0	.0				.0	.0	
									.0	.0				.0	.0	
	87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT .3 6.0 3.9 .3 .0 .0 10.5 .4 2.6 1.0 .1 * .0 4.2 96.1	TOT PCT								.4	2.6				.0		96.1

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
					.0	0		082
< 1	6.3	5.4	. 1	.0		.0	12.8	
1-2	. 9	22.9	6.8	.0	.0	.0	30.6	
3-4	. 2	9.1	17.0	. 8	.0	.0	27.1	
5-6	.0	1.8	13.6	1.7	.0	.0	17.1	
7	.0	. 4	5.5	1.8	.0	.0	7.7	
8-9	.0	. 2	1.2	1.5	. 2	.0	3.1	
10-11	.0		. 4	.4		.0	1.0	
12	.0	.0	. 1	. 1		.0	. 2	
13-16	.0	.0	.0	.3	. 1	.0	.4	
17-19	.0	.0	.0			.0	. 1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
0.4	.0	• 0	. 0	••				2458
TOT PCT	-			6.7	.4	0	100 0	2430
mi bei	7.4	40.8	44.7	0.1		. 0	100.0	

PERIOD: (GVER-ALL) 1949-1969 TABLE 19 PERCENT PREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) PERIOD (SEC) (6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT C) 1-2 3-4 5-6

3.3 13.6 12.1 5.1

1.1 1.0 6.9 8.3

0 .3 2.3 4.8

0 .1 6 1.3

0 0 0 6 18

0 0 0 6 18

3.1 6 5 1.0 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 1142 788 558 194 79 41 191 2993 100-0 .0.0.0.0.0 1.1 2.8 3.4 1.1 .3 .1 .1 .7 1.8 .8 .2 .1 .0 2.7 5.6 4.9 1.3 .2 .3 .0 .1 .1 .1 .0 .0 .000000 .000000 .0.00 .1 .6 .5 .4 .3 .0 .000000 6.4 15.6 22.9 21.6 15.9 9.3 .0 3.9

PERIND:	(PRIMARY)	1877-1972
	(DVER-ALL)	1855-1972

T.4	RI	F	20	

AREA 0020 BARROW ISLAND 19.95 114.6E

			PERCE	NT FRE	DUENCY	OF DC	CURREN	CE OF	SEA TE	MP (DE	G F) 8	Y MONTH		
SEA TMP	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DCT	NOV	DEC	ANN	PCT
DEG														
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	. 1	.0	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	*
89/90	1.0	1.1	. 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	. 2
87/88	3.5	4.4	6.2	1.6	.0	.0	.0	.0	.0	.0	. 2	.0	109	1.3
85/86	12.1	14.0	22.7	9.5	2.0	.6	.0	.0	.0	.1	. 8	7.3	469	5.6
83/84	15.9	21.5	26.6	27.8	11.3	2.0	• 1	• 1	. 5	. 4	5.2	12.3	825	9.8
81/82	33.8	29.1	25.9	35.1	22.1	7.6	.6	.7	1.4	4.7	17.1	20.3	1322	15.8
79/80	17.4	17.5	11.2	16.0	23.2	15.7	4.1	2.4	3.8	10.5	21.9	21.2	1079	12.9
77/78	8.8	6.8	2.8	5.2	20.0	23.5	13.4	13.6	12.6	21.6	16.5	19.4	1127	13.4
75/76	4.7	3.7	1.7	2.9	12.0	21.3	28.1	26.3	24.1	26.5	18.0	11.1	1308	15.6
73/74	1.7	1.3	1.1	1.1	4.4	13.5	30.1	31.4	29.3	22.0	12.8	5.2	1170	14.0
71/72	. 7	• 1	. 3	. 3	2.0	8.0	12.3	15.2	18.9	10.3	6.2	1.4	575	6.9
69/70	. 5	• 1	.3	. 1	1.6	4.6	5.9	5.5	6.1	3.0	. 8	. 5	221	2.6
67/68	. 1	• 1	. 5	• 1	. 9	2.0	1.9	2.7	1.9	. 3	. 4	.2	82	1.0
65/66	.0	.0	.0	. 3	. 4	. 5	2.7	1.0	. 4	.6	. 2	.0	46	.5
63/64	.0	.0	.0	.0	. 2	.6	. 5	1.1	. 9	.0	.0	.0	25	. 3
61/62	.0	.0	.0	.0	.0	. 2	• 2	• 1	• 1	.0	.0	.0	5	.1
59/60	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	• C	.0	.0	.0	0	.0
51/52 49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	0	• 0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	811	701	642	698	551	654	827	825	808	790	516	561	8384	100.0
MEAN	81.3	81.8	82.7	81.6	78.9	76.1	74.0	73.8	73.9	75.5	77.6	79.5	78.0	100.0

TABLE 21

PRESSUPE (MB)

			ΔV	FRAGE	AY HOU	R (GMT	,			
										TUTAL
Mp	0000	0300	0500	0900	1200	1500	1800	2100	MEAN	DBS
JAN	1008	1006	1007	1004	1007	1006	1007	1006	1007	841
FER	1007	1006	1007	1005	1006	1007	1007	1006	1006	873
MAR	1009	1008	1008	1007	1008	1009	1009	1008	1008	739
APR	1012	1011	1012	1011	1012	1012	1012	1011	1012	935
MAY	1014	1014	1013	1013	1014	1015	1014	1014	1014	934
JUN	1017	1017	1014	1015	1016	1017	1015	1016	1016	931
JUL	1018	1018	1017	1016	1018	1016	1018	1016	1017	893
AUG	1017	1016	1016	1015	1016	1017	1016	1016	1016	808
SEP	1015	1015	1015	1014	1015	1015	1015	1014	1015	909
DCT	1015	1013	1014	1012	1013	1013	1013	1012	1013	740
NOV	1011	1010	1010	1000	1009	1010	1011	1010	1010	761
DEC	1009	1007	1009	1008	1007	1009	1009	1008	1008	631
ANN	1013	1012	1012	1011	1012	1012	1012	1011	1012	9995
085	2205	1446	1019	650	2197	730	1010	738		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX	
JAN	991	998	1000	1004	1007	1009	1012	1014	1020	
FEB	992	994	999	1004	1007	1009	1013	1016	1021	
MAR	991	995	1001	1006	1009	1011	1014	1017	1021	
APR	1003	1005	1007	1010	1012	1014	1016	1018	1025	
MAY	1003	1008	1010	1012	1014	1016	1018	1019	1022	
JUN	1007	1009	1011	1014	1016	1018	1020	1023	1027	
JUL	1007	1010	1013	1015	1017	1019	1022	1023	1025	
AUG	1009	1010	1011	1014	1016	1018	1020	1022	1028	
SEP	1006	1009	1011	1013	1015	1016	1019	1020	1025	
DCT	1007	1008	1010	1012	1013	1015	1017	1019	1022	
NOV	1003	1005	1006	1008	1010	1012	1015	1018	1021	
DEC	1000	1002	1003	1006	1008	1010	1013	1014	1017	
								1-17-18-11		

PERIOD: (PRIMARY) 1926-1973 (OVER-ALL) 1923-1973

TABLE 1

AREA 0021 BROOME 16.6\$ 121.3E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

												2/12/21/22/22			
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE		
N NE	8.4	1.6	.0	.0	.0	.0	.0	1.6	12.0	4.8	.0	.0	5.6	.0	76.0 70.1
E S E	5.6	11.1	2.4	.0	.0	.0	.0	16.7	3.2	6.3	.0	.0	.0	.0	73.8
S	4.3	7.4	.0	.0	•0	.0	.0	23.3	.0	2.2	2.1	.0	2.1	.0	70.0
SW	2.5	9.0	.0	.0	.0	.0	.0	13.9	.6	8.2	1.9	.0	2.5	.0	77.1
NW VAR	4.4	1.5	.0	.0	•0	.0	.0	5.9	1.8	4.8	.0	.0	.0	.0	87.5
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	4.0	5.3	.2	.0	•0	.0	.0	9.2	1.7	5.7	.4	.0	2.5	.0	81.1

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	4.4 3.0 4.3 5.2	5.0 5.0 7.1 4.2	.0	.0	.0	.0	.0	9.4 8.0 11.3 9.4	.6 .0 2.8 3.1	.0 9.2 14.6	1.0	.0	4.4 3.0 2.1 1.0	.0	85.0 88.0 74.5 74.0
TOT PCT	4.2	5.4	.2	.0	• 0	.0	.0	9.7	1.6	5.4	.6	.0	2.8	.0	80.5

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	IN SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT	SPD	00	03	06	09	12	15	18	21
N	1.1	3.6	1.3	.6	.0	.0		6.6	8.7	5.4	8.0	8.5	2.6	9.4	3.2	10.5	4.9
NE	.0	3.2	2.3	. 1	.0	.0		5.6	10.1	7.5	2.7	4.9	11.4	2.8	4.8	5.8	4.9
E	. 6	3.5	1.8	. 7	.0	.0		6.6	10.6	4.8	10.7	4.9	6.1	4.0	12.2	4.1	8.8
SE	. 2	4.0	4.2	1.0	.0	.0		9.5	11.8	11.6	19.6	2.4	6.1	5.7	17.0	. 6	10.8
S	. 1	3.3	1.4	. 2	.0	.0		4.9	10.0	6.7	8.9	3.7	5.3	1.7	2.1	4.1	6.9
SW	2.7	3.0	5.9	• 1	. 2	. C		17.0	9.5	19.9	19.6	21.3	21.9	19.3	8.5	4.7	13.7
W	. 8	19.6	10.3	2.2		.0		33.3	11.1	32.3	20.5	26.2	33.3	38.4	36.2		35.3
NW	. 8	7.5	5.1	. 7	. 1	.0		14.2	10.7	11.8	9.8	18.3	13.2		13.8	20.3	14.7
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.3							2.3	.0	.0	.0	9.8	.0	3.4	2.1	7.0	. 5
TOT UBS	41	251	154	27	3	0	476		10.3	93	56	41	57	88	47	43	51
TUT PCT	8.6	52.7	32.4	5.7	.6	• 0		100.0				100.0					

+	٨	D	r	-	-	٨	

WND DIR		WIND	SPEED			TOTAL	0.5			нои		
MAD DIK	0-6	7-16	17-27	28-40	41+		PCT	MEAN	00	06	12	18
						DBS	FREQ	SPD	03	09	15	21
N	3.8	1.8	.9	.0	.0		6.6	8.7	6.4	5.1	7.2	7.4
NE	1.8	3.4	. 4	.0	.0		5.6	10.1	5.7	8.7	3.5	5.3
E	2.2	3.1	1.3	.0	.0		6.6	10.6	7.0	5.6	6.9	6.6
E SE	2.5	5.1	1.6	. 2	.0		9.5	11.8	14.6	4.6	9.6	6.1
5 5 W	1.2	3.2	. 5	.0	.0		4.9	10.0	7.6	4.6	1.9	5.6
	5.4	9.8	1.6	. 2	.0		17.0	9.5	19.8	21.7	15.6	9.6
W NW	7.5	20.2	4.8	. 8	.0		33.3	11.1	27.9	30.4	37.6	38.8
NW	4.3	7.9	1.4	.6	.0		14.2	10.7	11.1	15.3	14.8	17.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.3						2.3	.0	.0	4.1	3.0	3.2
TOT ORS	148	259	60	4	0	476		10.3	149	98	135	94
TOT PCT	31.1	54.4	12.6	1.9	.0		100.0		100.0	100.0		100.0

J	At	NL	JA	R	Y	

PERIOD: (PRIMARY) 1926-1973 (DVER-ALL) 1923-1973

TABLE 4

AREA 0021 BROOME 16.65 121.3F

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND	SPEFD (KNOTS) 34-47	48+	MEAN	PCT	TOTAL
00603	.0	10.7	59.4	26.2	4.0	.7	.0	9.3	100.0	149
90300	4.1	4.1	50.0	36.7	4.1	1.0	.0	10.9	100.0	98
12615	3.0	5.2	46.7	37.0	8.1	.0	.0	10.8	100.0	135
18821	3.2	3.2	55.3	30.9	5.4	1.1	.0		100.0	94
TOT	11	30	251	154	27	3	0	10.3		476
PCT	2.3	6.3	52.7	32.4	5.7	. 6	.0		100.0	

P	CT FRE	Q DF T	DTAL C	LOUD A	MOUNT	EIGHTHS)			PERCEN	TAGE F	REQUEN	CY DE	CEILIN	G HEIG	HTS (FT, NH	94/P)	
		8	Y WIND	DIREC	TION					AND DC	CURREN	CF ITF	NH (5/	8 8Y W	ITNO D	RECTI	N.	
						MEAN												
WND DIR	0-2	3-4	5-7	3 8	TOTAL	CLOUD	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
				DBSCD	085	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	DBS
N	4.2	2.2	.5	1.9		3.5	.0	.0	.0	.0	.5	.0	.0	.0	.0	. 0	8.3	
NE	.2	.0	2.6	3.4		7.0	.0	.0	.0	.0	2.7	.6	.6	• 0	.0	.0	2.1	
=	.0	.0	2.0	3.5		7.8	.0	.0	.0	.0	.5	1.1	.0	.0	.0	.0	2.4	
		-	• • •														100	
SF	. 3	.6	. 8	1.4		6.3	.0	.0	.6	.0	.6	. 2	. 6	.0	.0	• 0	1.1	
S	1.6	. 5	.6	.6		4.0	.0	.0	.6	.0	.0	.0	.0	. 0	.0	.0	2.7	
SW	5.6	4.2	5.0	. 8		3.7	.0	.0	.0	.6	1.4	.0	.0	.0	.0	.0	13.5	
W	3.8	13.0	10.1	5.0		4.1	.0	.0	.0	2.4	3.0	1.3	.0	.0	.6	.0	29.5	
NW	3.7	3.8	7.5	2.6		4.5	.0	.0	.0	. 2	3.4	1.3	.0	• 0	.0	.0	12.8	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.6	.0	.6	1.3		3.7	.0	• 0	.6	1.3	.0	.0	.0	.0	.0	.0	2.6	
TOT OBS	42	38	44	32	156	4.4	0	0	3	7	19	7	2	0	1	0	117	156
TOT PCT	26.9	24.4	28.2	20.5	100.0		- 0	- 0	1.9	4.5	12.2	4.5	1.3	- 0	. 6	. 0	75.0	100.0

TARLE 7

CUMULATIVE	PCT	FREQ	DF	SIMULTA	ANFOUS	DCCURRENCE	•
OF CHILI	NG HE	IGHT	(NH	>4/8)	AND VS	SBY (NM)	

				VSBY (NM	1)			
CFILING	- DR	- DR	= DR	= DR	= OR	= OR	- OR	- DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• OR >4500	.6	.6	.6	.6	.6	.6	.6	.6
. OR >5000	.6	.6	.6	.6	.6	.6	.6	.6
■ DR >3500	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
• DR >2000	4.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4
• DR >1000	14.0	17.2	17.8	18.5	18.5	18.5	18.5	18.5
. UR >600	15.9	21.0	22.3	22.9	22.9	22.9	22.9	22.9
• DR >300	15.9	22.3	24.2	24.8	24.8	24.8	24.8	24.8
■ DR >150	15.9	22.3	24.2	24.8	24.8	24.8	24.8	24.8
• OR > 0	15.9	22.3	24.2	24.8	24.8	24.8	24.8	24.8
TOTAL	25	35	38	39	39	39	39	39

TOTAL NUMBER OF DBS: 157 PCT FREQ NH 45/81 75.2

ABLE 74

PERCENTAGE FRE, OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085CD 085 4.3 20.9 19.8 15.7 5.6 8.1 2.9 2.3 15.1 .0 172

LAN	al.t.	A I	2 4	

	926-1973 923-1973						TA	BLE 8				ARE	4 0021 BRDD 16.65	ME 121.3F
		PE	RCENT	FREQ (F WINE	DIRE	CTION TH VAR	VS DCC YING V	URRENC!	E DR N	IBILI	CURRENC	E OF	
VSBY (NM)		N	NE	F	SE	5	SW	W	NW	VAR	CALM	PET	TOTAL DBS	
(141.7	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
(1//	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1/2<1	NO PCP	.0	.0	.0	.0	. 1	. 1	.0	.0	.0	.0	. 2		
	TOT %	• 0	.0	.0	.0	. 1	. 1	.0	.0	.0	.0	. 2		
	PCP	•0	.0	.0	.0	.0	. 2	.0	.4	.0	.0			
1<2	NO PCP	. 6	. 4	.0	. 4	. 1	. 3	. 8	.0	.0	.0	2.7		
	TOT %	• 6	. 4	.0	. 4	. 1	.5	. 8	. 4	.0	.0	3.4		
	PCP	• 0	.4	.0	.0	. 2	.0	. 2	.0	.0	.0			
2<5	NO PCP	.0	.0	.2	.0	.0	. 2	. 2	.0	.0	.0	.6		
	TOT %	.0	.4	.2	.0	.?	.5	.4	.0	.0	.0	1.5		
	PCP	• 1	.4	1.1	2.2	. 2	1.9	1.1	-4	.0	.0			
5<10	NO PCP	2.7	2.0	3.4	4.6	3.2	6.5	17.8	6.8		1.1			
	TOT %	2.8	2.4	4.5	6.8	3.4	8.4	18.8	7.2	. 0	1.1	55.3		
	PCP	• 0	• 0	.0	.0	. 2	.3	.0	.0	.0	.0			
10+	NO PCP	3 . 1	2.4	1.9	2.2	1.0	7.5	13.2	6.6	.0	1.3			
12 34 1 4	TOT %	3.1	2.4	1.9	2.2	1.2	7.8	13.2	6.6	.0	1.3	39.7		
	TOT 085												476	
	TOT PCT	6.6	5.6	6.6	9.5	4.9	17.0	33.3	14.2	.0	2.3	100.0		

TABLE 9

			,	PERCEN	T FREQ VITH VA	DF WI	ND DIR	S DF V	121817	NO SPE	ED		
VSBY (NM)	SPD	N	NE	E	SE	S	SW	w	NW	VAR	CALM	PCT	DBS
	0-3	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	. 1	. 1	.0	.0	.0		. 2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	. 1	. 1	.0	.0	.0	.0	. 2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	. 2	. 2	.0	. 4	.0	. 2	. 6	.0	.0		1.7	
	11-21	.0	. 2	.0	.0	. 1	. 3	. 2	. 4	.0		1.3	
	22+	. 4	.0	.0	.0	.0	.0	.0	.0	.0		.4	
	TOT %	.6	.4	.0	.4	. 1	.5	. 8	. 4	.0	.0	3.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
245	4-10	.0	.0	. 2	.0	.0	.0	. 2	.0	.0		. 4	
	11-21	.0	. 4	.0	.0	. 2	. 2	.0	.0	.0		. 8	
	22+	.0	.0	.0	.0	.0	.0	. 2	.0	.0		. 2	
	TOT %	.0	.4	. 2	.0	. 2	. 2	. 4	.0	.0	.0	1.5	
	0-3	.4	.0	. 4	.0	.1	1.6	.4	. 2	.0	1.1	4.2	
5<10	4-10	1.5	1.7	2.5	1.9	2.0	3.9	10.6	3.1	.0		27.1	
	11-21	. 7	. 6	1.4	4.2	1.1	2.6	5.7	3.0	.0		19.3	
	22+	. 2	. 1	. 2	. 7	. 2	. 3	2.1	. 8	.0		4.6	
	TOT %	2.8	2.4	4.5	6.8	3.4	8.4	18.8	7.2	.0	1.1	55.3	
	0-3	.6	.0	. 2	.2	.0	1.1	.4	.6	.0	1.3	4.4	
10+	4-10	1.9	1.3	. 8	1.7	1.2	3.8	8.2	4.4	.0		23.3	
	11-21	.6	1.1	. 4	.0	.0	2.8	4.4	1.6	.0		10.9	
	22+	.0	.1	. 5	.3	.0	.0	.2	.0	.0		1.1	
	TOT %	3.1	2.4	1.9	2.2	1.2	7.8	13.2	6.6	.0	1.3	39.7	
	rar ars											2.2.2	475
1	TOT PCT	6.6	5.6	6.6	9.5	4.9	17.0	33.3	14.2	.0	2.3	100.0	

LANILARY

		•				
PERIOD:	(PRIMARY) (OVER-ALL)	TABLE 10	AREA	0021	ME 121.36	E
		PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8 OCCURRENCE OF NH <5/8 BY HOUR) AND			

								******	-				
HDUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	2.4	4.8	19.0	7.1	2.4	.0	.0	.0	35.7	64.3	42
06609	.0	.0	2.3	4.5	13.6	9.1	.0	.0	.0	.0	29.5	70.5	44
12815	.0	.0	• 0	2.8	8.3	.0	.0	.0	2.8	.0	13.9	86.1	36
18621	.0	.0	2.5	5.0	5.0	.0	2.5	.0	.0	.0	15.0	85.0	40
TOT	.0	.0	1.9	4.3	19	4.3	1.2	.0	.6	0	39	123	162

			TA	BLE 1	1						TABLE	12		
		PERCENT	FREQUENCY	Y VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.0	.6	5.0	.6	57.5	36.3	160	00803	.0	2.4	11.9	23.8	64.3	42
06609	.0	•0	4.0	1.0	53.0	42.0	100	06609	.0	2.3	11.6	23.3	65.1	43
12615	.0	.7	4.3	1.4	56.7	36.9	141	12615	.0	.0	11.8	11.8	76.5	34
18621	.0	.0	•0	3.1	53.1	43.8	96	18621	.0	2.6	10.5	7.9	81.6	38
TOT PCT	0.0	2	18	7	276 55.5	194 39.0	497	TUT PCT	.0	1.9		27	112 71.3	157

				1	ABLE 1	3									TABL	E 14				
	PERC	ENT FR	EQUENC	YOFR	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	REQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0				4.7	14.2		1.7	157		3.0	2.1	2.3	2.9	1.7	7.0	12.2	4.6	.0	.0
80/84 75/79	.0	.0	.0	. 5	1.7		39.1	8.5	241	57.1 4.5	3.1	3.4	3.6	5.9	2.7	8.8	20.0	8.8	.0	.9
PCT	.0					21.8		54 12.8	422	100.0	6.3	5.7	7.0	10.3	5.0	16.3	33.3	13.7	.0	2.4

				TAP	LF 15									TABLE	16			
	MEANS,	EXTREM	ES AND	PERCEN	ITILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE HU	MIDITY	BY HOUR	
HEUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GM1)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	94	90 91	89	84 85	79 81	78 75	76 75	84.0	159	00603	.0	4.2	8.5	21.1	54.9	11.3	91 78	142
12615		88	86	84	78	78 76	75 76	83.5	96	12615	.0	.0	3.5	19.8	59.2	18.4	83	125
TOT	94	90	88	84	80	78	75	83.8	495	TOT	0	7	33	98	248	56	51	442

JANUARY

PERIOD: (PRIMARY) 1926-1973 (DVER-ALL) 1923-1973

TABLE 17 AREA 0021 BRODME 16.65 121.3F

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

	m							
	73	77	81	85	89	TOT	*	WD
AIR-SEA			84	88	92		FOG	FOG
TMP DIF	76	80	04	0.0	/-			
11/12	0	.0	.0	.0	. 3	1 2	.0	. 3
11/13	.0		.0	.6	.0	2	.0	.6
7/8	.0	.0			.3		.0	1.4
5	.0	.0	.0	1.1				
	.0	.0	.0	1.4	.6	1	.0	2.0
2	.0	.0	1.1	1.7	1.4	5 7 15	.0	4.2
4 3 2 1 0	. 0	.0	1.7	3.6	.6	21	.0	5.9
2	.0	. 0	3.6	8.1	.0	43	.0	12.0
1	.0	. 3				60	.0	16.8
0	.0	.0	9.0	7.8	.0		. 0	18.8
-1	.0	. 3	10.6	7.6	. 3	67	.0	
- 2	.0	. 3	12.6	2.0	.0	53		14.6
-2 -3		1.4	10.9	1.1	.0	+8	.0	13.4
-3	.0		2.5	.3	.0	19	. 3	5.0
-4	.6	2.0				11	.0	3.1
-5	.0	1.1	1.4	.6	.0			
-6	.0	. 8	.0	.3	.0	1	.0	1.1
-7/-8	. 0	.0	.3	.0	.0	1	.0	.3
-17-0	.0		192		12		2	355
TOTAL	2		. 72	129		357		
		5.2	0		3.4	100.0	.6	99.4
PCT	.6	5.2	53.8	36.1	3.4	100.0	.0	,,,,

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N				1-3	4-10	11-21	22-33	34-47	48+	PCT	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	.0	.0	.0	.0	.0	.0	.0	
<1	.0	2.0	.0	.0	.0	• 0	5.0	.0	3.3	, 8	.0	.0	.0	4.1	
1-2	1.6	. 8	1.6	.0	• 0	• 0	4.1	.0	.0	1.6	.0	.0	.0	1.6	
3-4	.0	.6	.6	.0	• 0	• 0	1.2	.0	.0	1.6	. 2	.0	.0	1.8	
5-6	. ()	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	• 0	.0	. C	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	. C	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	0.	.0	.0	. C	• 0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.6	.0	3.3	4.1	.2	.0	.0	7.5	
THT PCT	1.6	3.5	2.2	.0	.0	• 0	7.3	.0	3.3	4.1		• •			
1111 101															
											SE				
				E				1-3	4-10	11-21	22-33	34-47	48+	PCT	
HGT	1-3	4-10	11-21	27-33	34-47	48+	PCT	.0	.0	.0	.0	.0	.0	.0	
<1	.0	0	.0	.0	.0	• 0	.0	.0	1.4	.0	.0	.0	.0	1.4	
1-2	.0	.6	.0	.0	.0	.0	.6	.0	. 8	.0	.0	.0	.0	. 8	
3-4	.0	.0	.8	.0	.0	.0	. 8	.0	.0	.0	1.0	.0	.0	1.0	
5-6	.0	.0	. 8	2.0	• 0	•0	2.8	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0			• 0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0			• 0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0			• 0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0			• 0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0			• 0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0			• 0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0				.0	.0	.0	.0	.0		.0	.0	.0	
71-86	.0	.0				• 0	• 6		.0			.0	.0	.0	
87+	.0					• 0	.0	• 0	2.2				.0	3.3	
TOT PCT	.0	. 6			.0	.0	4.3	.0	2.2	.0	1.0				
100 000															

									JANI	JARY								
PERICO:	COVE	K-ALL)	1963-1	973				TABLE	18	CONT)			AREA	16.	BROOME 65 121	. 3E	
				Pc	T FREQ	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)				
				S									SW					
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4=10	11-21		34-47	48+	PCT		
<1	.0	.0	.0	.0	• 0	.0	.0			.0	2.4	0	.0	.0	.0	2.4		
1-2	.0	1.2	. 8	.0	.0	.0	2.0			. 8	3.9			.0	.0	6.3		
3-4	.0	1.2	.0	.0	.0	.0	1.2			.0	1.4	3.9	.0	.0	.0	5.3		
5-6	.0	. 8	.0	.0	• 0	.0	. 8			.0	. (.0	.0	.0	2.8		
7	.0	.0	.0	.0	• 0	.0	.0			.0	. (.0	.0	.0	.0		
8-9	.0	.0	.0	.0	• 0	.0	.0			.0	. (.0	.0	.0	.0		
10-11	.0	.0	.0	.0	• 0	.0	.0			.0	. (.0	.0	.0		
12	.0	.0	.0	.0	• 0	.0	.0			.0	. (.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	. C			.0	. (.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	. (.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0			.0	. (.0	.0	.0		
23-25	.0	.0	.0	.0	• 0	.0	.0			.0	. (.0	.0	.0		
26-32	.0	.0	.0	.0	• 0	• 0	.0			.0	. (.0	.0	.0		
33-40	.0	.0	.0	.0	• 0	.0	.0			.0	. (.0	.0	.0		
41-48	.0	.0	.0	.0	.0	• 0	.0			.0	. (.0	.0	.0		
49-60	.0	.0	.0	.0	• 0	• 0	• U			.0	. (.0	.0	.0		
01-70	.0	. 0	.0	.0	.0	. 0	.0			.0	. (.0	.0	.0		
71-86	.0	.0	.0	.0	• 0	• 0	.0			.0	. 9			.0	.0	.0		
87+	.0	.0	.0	.0	• 0	.0	.0			• 0				.0	.0	.0		
TOT PCT	.0	3.3	. 8	.0	•0	•0	4.1			. 8	7.	8.3	.0	.0	.0	16.9		
				W									NW				TOTAL	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	PCT	
<1	. 8	4.9	.0	.0	.0	.0	5.7			. 8	1.2		.0	.0	.0	2.0		
1-2	.0	9.3	.0	.0	.0	.0	9.3			. 8	5.			.0	.0	6.3		
3-4	.0	7.1	8.3	.0	• 0	• 0	15.4			.0	1.0			.0	.0	3.7		
5-6	.0	.0	3.5	.0	.0	.0	3.5			.0	. (.0	.0	1.8		
7	.0	.0	2.2	.0	• 0	.0	2.2			.0				.0	.0	. 2		
8-9	.0	.0	.0	.0	.0	.0	.0			.0	. (.0	.0	. 8		
10-11	.0	.0	.0	.0	• 0	.0	.0			.0	. (.0	.0	. 0		
12	.0	.0	.0	.0	• 0	.0	.0			.0				.0	.0	.0		
13-16	.0	.0	.0	.0	• 0	.0	.0			.0	- (.0	.0	. 8		
17-19	.0	.0	.0	.0	• 0	.0	.0			• 0	• 9			.0	.0	. 8		
20-22	.0	.0	.0	.0	• 0	• 0	- 0			.0				.0	.0	.0		
23-25	.0	.0	.0	.0	• 0	.0	. C			• 0	- 1			.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0			.0	•			0	.0	.0		
33-40	.0	.0	.0	.0	.0	• 0	.0			• 0				.0	.0	.0		
41-48	.0	.0	.0	.0	• 0	.0	.0			.0	:			.0	.0	.0		
49-60	.0	.0	.0	.0	.0	• 0	. 0			.0	:			.0	.0	.0		
61-70 71-86	.0	.0	.0	.0	.0	•0	.0			.0				.0	.0	.0		
87+	.0	.0	.0	.0	• 0	.6	.0			.0	:			.0	.0	.0		
TOT PCT	.0	21.3	14.0	.0	.0	.0	36.2			1.6	6.			.0	.0	16.5	95.9	
101 PC1	. 0	21.3	14.0	.0	•0	.0	30.2			1.0	٠	3.3	.0	.0	.0	10.5	,,,,	

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.5	10.5	.0	.0	.0	.0	16.9	003
1-2	3.2	25.8	4.8	.0	.0	.0	33.9	
3-4	.0	12.9	16.9	.0	.0	.0	29.8	
5-6	.0	.8	10.5	3.2	.0	.0	14.5	
7	.0	.0	2.4	.0	.0	.0	2.4	
8-9			.8	.0	.0	.0		
	.0	.0			.0	.0		
10-11	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	. 8	.0	.0	.0	. 8	
17-19	.0	.0	.0	. 8	.0	.0	. 8	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								124
TOT PCT	9.7	50.0	36.3	4.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1924-1968 (DVER-ALL) 1884-1968

AREA 0021 BRODME
10.75 121.36
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

				,	EKCHN	FREUC	ENCI	IF REALITE	DCCORNENCE		NO DIK	ECTION			
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WHO DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FDG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N NE	2.5	3.3	3.3	.0	.0	.0	.0	9.0	.0	10.7	.0	.0	3.3	.0	77.0 72.8
E SE	1.8	7.1	.0	.0	•0	.0	.0	10.6	7.1	15.3	.0	.0	.0	.0	88.5
SW	5.2	7.0	.0	.0	.0	.0	.0	3.3	3.5 .0 1.0	8.7 6.0 3.6	.7	.0	3.7 3.1	.0	80.9 87.0 87.4
NW VAR	.0	5.2	.7	•0	.0	.0	.0	5.0	.0	4.4	.0	.0	9.7	.0	80.2
CALM	7.1	.0	.0	.0	.0	.0	.0	7.1	7.1	7.1	.0	.0	.0	.0	85.7
TOT PCT TOT DBS:	394	4.6	.5	•0	• ()	•0	-0	7.4	1.3	5.8	.3	.0	3.6	•0	82.7

DEDCENT	CREMIENCY	OF	WEATHER	DCCURRENCE	RV	HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00803 06609 12815 18821	2.3 .0 4.1 4.9	3.8 4.3 5.7 3.7	.0 1.4 .0 1.2	.0	.0	.0	.0	6.0 5.7 9.8 9.8	1.5 1.4 .8 1.2	1.5 .0 4.9 22.0	.0 .0 .0	.0	4.5 4.3 4.1 2.4	.0 .0 .0	86.5 38.6 82.1 68.3
TOT PCT TOT Das:	2.9	4.4	.5	.0	•0	.0	٠0	7.8	1.2	6.4	. 2	.0	3.9	•0	81.9

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR 0-3 4-10 11-21 22-33 34-47 48+ TDTAL PCT "EAN OBS FREQ SPD OB	
N 1.5 2.1 3.7 .4 .0 .0 7.6 11.3 6.5 8.0 .0 5.1 9.3 7.5 8.1 N\(\tilde{\ti	
NE	21
E .0 2.3 1.8 1.3 .0 .0 5.3 14.0 9.7 3.8 6.0 7.7 1.2 2.5 6.5 SE .5 3.5 2.1 1.0 .0 .0 7.1 11.0 5.2 17.0 6.9 7.7 3.7 7.5 3.5 S 1.3 4.8 1.2 .0 .0 .0 7.2 6.7 11.4 9.9 2.6 3.8 4.9 8.8 2.5 SW 1.8 12.2 4.8 5 1 .0 19.4 8.7 22.7 26.9 12.9 11.5 22.2 13.8 18.1 W .7 16.9 7.6 .8 1 .3 26.4 10.5 22.4 24.0 13.2 38.8 30.8 31.5 23.8 31.5 NW .1 7.3 7.3 1.2 .0 .0 15.8 12.4 9.1 12.3 14.7 24.4 18.2 22.5 20. VAR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12.5
E .0 2.3 1.9 1.3 .0 .0 5.3 14.0 9.7 3.8 6.0 7.7 1.2 2.5 6.1 SE .5 3.5 2.1 1.0 .0 .0 7.1 11.0 5.2 17.0 6.9 7.7 3.7 7.5 3.5 S 1.3 4.8 1.2 .0 .0 .0 7.2 6.7 11.4 9.9 2.6 3.8 4.9 8.8 2. SH 1.8 12.2 4.8 5 1 .0 19.4 8.7 22.7 26.9 12.9 11.5 22.2 13.8 18. H .7 16.9 7.6 .8 1 .3 26.4 10.5 24.0 13.2 38.8 30.8 31.5 23.8 31. NH .1 7.3 7.3 1.2 .0 .0 15.8 12.4 9.1 12.3 14.7 24.4 18.2 22.5 20. VAR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	14.8
SE .5 3.5 2.1 1.0 .0 .0 .7.1 11.0 5.2 17.0 6.9 7.7 3.7 7.5 3. S 1.3 4.8 1.2 .0 .0 .0 7.2 6.7 11.4 9.9 2.6 3.8 4.9 8.8 2.7 SH 1.8 12.2 4.8 .5 .1 .0 19.4 8.7 22.7 26.9 12.9 11.5 22.2 13.8 18. H .7 16.9 7.6 .8 .1 .3 26.4 10.5 24.0 13.2 38.8 30.8 31.5 23.8 31. NH .1 7.3 7.3 1.2 .0 .0 15.8 12.9 9.1 12.3 14.7 24.4 18.2 22.5 20. VAR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	5.7
S 1.3 4.8 1.2 0. 0 0 0 7.2 6.7 11.4 9.9 2.6 3.8 4.9 8.8 2.5 1.8 12.2 4.8 .5 1. 0 19.4 8.7 22.7 26.9 12.9 11.5 22.2 13.8 18. N 1.7 16.9 7.6 .8 .1 .3 26.4 10.5 24.0 13.2 38.8 30.8 31.5 23.8 31. NN 1 7.3 7.3 1.2 .0 .0 15.8 12.4 9.1 12.3 14.7 24.4 18.2 22.5 20. VAR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	6.8
SW 18 12.2 4.8 .5 .1 .0 19.4 8.7 22.7 26.9 12.9 11.5 22.2 13.8 18.1 W .7 16.9 7.6 .8 .1 .3 26.4 10.5 24.0 13.2 38.8 30.8 31.5 23.8 31. NW .1 7.3 7.3 1.2 .0 .0 15.8 12.4 9.1 12.3 14.7 24.4 18.2 22.5 20. VAR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	9.1
H .7 16.9 7.6 .8 .1 .3 26.4 10.5 24.0 13.2 38.8 30.8 31.5 23.8 31. NH .1 7.3 7.3 1.2 .0 .0 15.8 12.4 9.1 12.3 14.7 24.4 18.2 22.5 20. VAR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	15.9
NW .1 7.3 7.3 1.2 .0 .0 15.8 12.4 9.1 12.3 14.7 24.4 18.2 22.5 20. VAR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22.7
VAR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	10.2
CALM 3.5 .0 2.6 1.9 17.2 5.1 2.5 .0 2.	. 5
	2.3
	44
TOT PCT 9.8 52.3 30.8 6.8 .3 .3 100.0 100.0 100.0 100.0 100.0 100.0 100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18	
N NE	1.9	3.6	1.9	.3	.0		7.6	11.3	7.1 8.1	2.9	8.7	10.8	
	1.4	1.8	1.8	.4	.0		5.3	14.0	7.3	7.0	1.7	6.2	
E 5E	3.5	1.7	1.8	.1	.0		7.1	11.0	10.0	7.4	5.0	5.2	
5	4.6	2.3	.3	.0	.0		7.2	6.7	10.8	3.3	6.2	6.2	
SW	8.3	9.5	1.4	. C	. 1		19.4	8.7	24.4	12.1	19.4	17.3	
W	6.4	12.4	5.1	.0	. 4		26.4	10.5	19.6	34.2	28.9	26.9	
NW	2.9	7.9	4.6	. 3	.0		15.8	12.4	10.4	20.2	19.6	14.8	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	3.5						3.5	.0	2.3	10.3	1.7	2.5	
TOT DAS	145	172	76	5	2	400		10.3	130	68	121	81	
TOT PET	30 3	43.0	19.0	1 - 2	- 5		100.0		100.0	100.0	100.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1924-1968 (UVER-ALL) 1884-1968

TABLE 4

AREA 0021 BROOME 16.75 121.3E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND		KNOTS) 34~47	48+	MEAN	PCT FREQ	TOTAL
00603	2.3	6.9	58.5	24.6	6.9	.0	.8	9.7	100.0	130
90330	10.3	2.9	42.6	35.3	8.8	.0	.0	10.7	100.0	68
12815	1.7	6.6	51.2	35.5	5.0	.0	.0	10.5	100.0	121
18821	2.5	7.4	51.9	29.6	7.4	1.2	.0		100.0	81
TOT	14	25	209	123	27	1	1	10.3		400
PCT	1.5	6.1	52.3	30.8	A A	. 3	. 3		100.0	

TABLE 5

TABLE 6

P	CT FRE			DIREC		E I GHTHS 1		,					CEILIN NH <5/						
WND DIP	0-2	3-4	5-7	8 & DBSCD	TOTAL	CLOUD COVER	000	150	300 599	600	1000	2000	3500 4999	5000 6499			NH <5/8 ANY HGT		
N	3.1	1.1	3.8	1.4		4.1	.0	.0	.0	1.3	1.1	1.4	.0	.0	.0	. 0	5.6		
NE	1.1	. 2	2.5	3.2		6.4	.0	.0	.0	1.6	2.0	1.8	. 2	.0	.0	. 0	1.4		
E	. 7	.0	2.2	1.5		5.0	.0	.0	.0	.0	. 5	2.2	. 5	.0	.0	.0	1.3		
SE	2.9	.0	1.8	1.6		4.6	.0	.0	.0	2.2	. 2	. 4	.0	. 7	.0	.0	2.9		
S	.0	1.3	1.3	3.5		6.5	.0	.0	.0	1.4	1.3	1.4	. 7	.0	.0	. 0	1.3		
SW	3.6	5.6	3.2	3.6		4.3	.0	.0	.0	.0	1.4	3.1	.0	.0	.0	.0	11.5		
W	12.8	8.3	5.8	4.7		3.4	.0	.0	.0	.0	4.9	1.8	.0	.0	.0	.0	24.8		
NW	4.7	2.3	1.8	4.0		4.3	.0	.0	.0	.0	1.6	2.3	. 7	.0	.0	.0	8.1		
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.0	.0	2.2	4.3		7.4	.0	.0	.0	1.4	.0	1.4	.0	. 7	.0	. 7	2.2		
TUT DBS	40	26	34	39	139	4.6	0	0	0	11	18	22	3	2	0	1	8.2	139	
TOT PCT	28.8	18.7	24.5	28.1	100.0		.0	.0	.0	7.9	12.9	15.8	2.2	1.4	.0	.7	59.0	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM	1)			
C	EILING	• DR	- UR	= DR	= OR	= OR	= DR	- DR	= DR
()	FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	.7	. 7	. 7	.7	.7	.7	.7	.7
OR	>5000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
UR	>3500	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
OR	>2000	17.5	20.4	20.4	20.4	20.4	20.4	20.4	20.4
OR	>1000	26.3	32.1	33.6	33.6	33.6	33.6	33.6	33.6
DR	>500	32.8	39.4	40.9	40.9	41.6	41.6	41.6	41.6
	>300	32.8	39.4	40.9	40.9	41.6	41.6	41.6	41.6
DR	>150	32.8	39.4	40.9	40.9	41.6	41.6	41.6	41.6
OR	> 0	32.8	39.4	40.9	40.9	41.0	41.6	41.6	41.6
	TOTAL	4.5	54		54	5.7	67		. 7

TOTAL NUMBER OF DBS: 137 PCT FREO NH <5/81 58.4

TABLE 74

PERCENTAGE FREG OF LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD 08S 15.0 7.5 17.7 10.2 8.2 6.1 7.5 4.1 23.8 .0 147

		U		

PERIOD: (PRIMARY)	1924-1968		AREA 0021 BROOME
(CVER-ALL)	1884-1968	TABLE 8	16.75 121.3E

		P	ERCENT	FREG PREC	DF WIN	D DIRE	CTION TH VAR	VS DCC	URRENC	E OR N	IBILI	URRENC	E OF
VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT &	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	•0	• 0	.0	.0	. 3	.0	.0	.0	.0	.0	.3	
1/2<1	NO PCP	.0	.0	.0	.0	.0	. 1	. 1	.0	.0	.0	. 3	
	TOT \$	•0	• 0	.0	.0	. 3	• 1	. 1	.0	.0	.0	. 5	
	PCP	.0	.3	.3	.3	.0	.0	.0	.0	.0	.0	.8	
1<2	NO PCP	. 3	.0	.0	.0	.0	. 3	. 3	1.3	.0	.0	2.0	
	TOT *	• 3	• 3	. 3	. 3	.0	.3	.3	1.3	.0	.0	2.8	
	PCP	. 3	.3	. 3	.5	.0	.0	.3	.5	.0	.0	2.0	
2<5	NO PCP	.0	.0	.0	.0	.0	. 3	.0	. 3	.0	.0	. 5	
	TOT %	.3	.3	.3	.5	.0	.3	. 3	. 6	.0	.0	2.5	
	PCP	. 3	.9	. 1	.0	.6	.6	.7	. 3	.0	. 3	3.6	
5<10	NO PCP	3.4	3.4	1.7	1.6	3.7	7.6	12.2	7.2	.0	. 8	41.6	
	TOT %	3.7	4.3	1.8	1.6	4.3	8.2	12.9	7.6	.0	1.0	45.4	
	PCP	.2	.1	.0	.0	.0	.0	.2	. 1	.0	.0	.5	
10+	NO PCP	3.4	3.0	3.0	4.8	2.7	10.2	12.4	6.1	.0	2.5	48.2	
	TOT %	3.6	3 - 1	3.0	4.8	2.7	10.2	12.6	6.2	.0	2.5	48.7	
	TOT OBS												394
	TOT PCT	7.7	7.9	5.4	7.2	7.3	19.0	26.2	15.7	.0	3.6	100.0	

TARIE 9

				PERCEN	T FREQ	OF WI	ND DIR	S OF V	ISTRIL	ND SPE	ED		
VSBY (NM)	SPD	N	NE	E	SE	S	5 W		NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.3	. 1	. 1	.0	.0		. 5	
	22+	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.5	
	TOT %	.0	• 0	.0	.0	.3	.1	.1	.0	.0	.0	.5	
	0-3	.0	.0	.0	.0	.0	. 1	.2	.0	.0	.0	.3	
1<5	4-10	. 3	.0	.0	.0	.0	. 3	. 3	. 8	.0		1.5	
	11-21	.0	• 0	.0	.0	.0	.0	.0	. 5	.0		. 5	
	22+	.0	.3	. 3	. 3	.0	.0	.0	.0	.0		. 8	
	TOT %	.3	.3	.3	.3	.0	.3	.4	1.3	.0	.0	3.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	. 3	.0	.0	.0	.3	.0	.0	.0		. 5	
	11-21	.0	.0	.0	.0	.0	.0	. 3	.3	.0		.5	
	22+	.3	.0	. 3	. 5	.0	.0	.0	.5	.0		1.5	
	TOT %	. 3	.3	. 3	.5	.0	.3	. 3	. 8	.0	.0	2.5	
40.000	0-3	.6	.4	.0	.5	.5	.3	.0	.0	.0	1.0	3,3	
5<10	4-10	.5	1.3	. 7	.9	3.3	4.9	7.6	1.8	.0		21.0	
	11-21	2.4	1.8	.6	. 1	. 5	3.0	4.5	5.1	.0		18.0	
	22+	. 1	. 9	. 5	.0	.0	.0	. 8	7	.0		3.0	
	TOT %	3.7	4.3	1.8	1.6	4.3	8.2	12.9	7.5	.0	1.0	45,3	
	0-3	.9	. 1	.0	.0	. 8	1.5	.5	- 1	.0	2.5	6.3	
10+	4-10	1.3	1.8	1.6	2.6	1.5	6.9	9.3	4.6	.0		29.6	
	11-21	1.3	. 8	1.1	5.0	.4	1.5	2.8	1.5	.0		11.4	
	22+	.0	.5	. 3	.3	.0	.3	.0	.0	.0		1.3	
	TOT %	3.5	3.1	3.0	4.8	2.7	10.1	12.6	6.1	.0	2.5	48.6	
	TOT DAS												395
	TOT PET	7.7	7.9	5.4	7.2	7.3	19.0	26.3	15.7	.0	3.5	100.0	

							FEBRU	ARY					
IMARY) 1924-1 ER-ALL) 1884-1							TABLE	10			AR		BRDOME .75 121.3F
			PER	CENT F			CEILIN				>4/81 4	IND	
HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00603	.0	.0	.0	10.8	16.2	24.5	2.7	2.7	.0	2.7	59.5	40.5	37
06809	.0	.0	•0	10.0	6.7	10.0	.0	.0	.0	.0	26.7	73.3	30
12615	.0	.0	.0	7.7	5.1	15.4	.0	.0	.0	.0	26.2	71.8	39
18821	.0	.0	.0	2.7	21.6	10.8	5.4	2.7	.0	.0	43.2	56.8	37
TOT PCT	.0	.0	.0	7.7	18	15.4	2.1	1,4	.0	.7	39.9	86 60.1	143 100.0

			TA	BLE 1	1						TABLE	12		
		PERCENT	FREQUENCY	VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	4ND/DR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.0	3.0	3.0	46.6	47.4	133	00603	.0	.0	13.5	45.9	40.5	37
90300	.0	.0	4.3	2.9	41.4	51.4	70	06809	.0	.0	14.3	14.3	71.4	28
12615	.0	. 8	4.8	1.6	50.8	41.9	124	12615	.0	2.8	8.3	22.2	69.4	36
18621	.0	1.2	1.2	2.4	43.9	51.2	82	18821	.0	.0	2.8	41.7	55.6	36
TOT	.0	.5	3.4	10	190	193 47.2	409	TOT	.0	.7	9.5	32.1	80 58.4	137

				1	ABLE 1	3									TABL	E 14				
	PERCE	NT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	085	FREQ	N	NE	Ε	SE	S	SW	w	NW	VAR	CALM
90/94	.0	.0	.0	.0	.3	1.1	. 3	.0	6	1.7	.0	.0	.0	.0	.0	.9	.6	.3	.0	.0
85/89	.0	.0	.6	1.1	2.A	20.8	18.8	2.6	164	46.7	2.8	1.6	2.1	2.4	2.7	10.0	14.0	8.1	.0	2.8
80/84	.0	.0	.0	1.4	3.4	7.1	28.8	8.3	172	49.0	4.8	4.8	2.9	4.8	3.4	7.3	13.0	7.3	.0	. 6
75/79	.0	.0	.0	.0	. 3	.0	.9	1.1	8	2.3	.0	.6	.0	.1	. 5	. 3	. 3	. 3	.0	. 3
70/74	.0	.0	.0	.0	.0	. 3	.0	.0	1	.3	.0	.0	.0	.0	.0	.0	.0	. 3	.0	.0
TOTAL	0	0	?	0	24	103	171	42	351	100.0										
DCT	.0	.0	.6	2.6	6.8	29.3	48.7	12.0	-		7.6	7.1	5.1	7.3	6.6	18.5	27.8	16.3	.0	3.7

70/7		0 .0		0.0	24	103	17		0 1	.3 .	0 .0		.0	.0	.0		.3 .0	
PCT				2.5	6.8	29.3				7.	6 7.1	5.1	7.3	6.6	18.5 2	7.8 16	.3 .0	3.7
				TAR	F 15									TABLE	16			
	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TEM	P (DE	5 F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF REL	ATIVE H	UMIDITY	BY 40U	2
HOUR	MAX	99%	95%	50%	5%	14	MIN	MEAN	TOTAL	HOUR (GMI)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)																		
00803	92	90	89	85	80	78	75	84.7	135	00603	.0	3.5	7.1	37.2	46.0	6.2	76	
00603	93	92	90	86	82	78	78	84.7		00603	.0	3.5	7.1	46.0	46.0		78 76	113
00803	93	90 92 88	89 90 86	85 86 84					135	00603	.0	3.5	9.5	46.0	30.2	6.3		113
00603	93	92	89 90 86 85	86	82	78	78	85.1	135	00603	.0	3.5 7.9 .9				6.3	76	113

FEBRUARY

PERIOD: (PRIMARY) 1924-1968 (CVER-ALL) 1884-1968

TABLE 17

AREA 0G21 BROOME 16.75 121.3E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIH-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	89	292	TOT	K	WO
TMP DIF	76	80	84	88	92			FOG	FDG
7/8	.0	.0	.0	1.0	1.0	. 3	7	.0	2.3
	.0	.0	.0	1.3	.0	.0	4	.0	1.3
5	.0	.0	1.7	.0	.7	.0	7	.0	2.3
4	.0	.0	.7	2.0	. 7	.0	10	.0	3.3
3	.0	.0	2.0	3.0	1.0	.0	18	.0	6.0
2	.0	.0	3.6	3.3	1.3	.0	25	.0	8.3
1	.0	. 3	3.0	6.6	. 7	.0	32	.0	10.6
Ġ	.0	.3	7.0	10.3	. 3	.0	54	.0	17.9
-1	.0	.7	7.3	10.3	, 3	.0	56	.0	18.5
-2	.3	2.0	9.3	3.3	.7	.0	45	.0	14.9
-2 -3	.0	. 3	3.3	2.6	.0	.0	19	.0	6.3
-4	.0	1.3	4.0	.3	.0	.0	17	.0	5.6
-5	.0	. 3	.7	. 3	.0	.0	4	.0	1.3
-6	.0	. 3	. 3	.0	.0	.0		.0	. 7
-7/-8	.0	.0	.7	.0	.0	.0	2 2	.0	.7
TOTAL	1		131		18			0	302
		17		134	-	1	302	-	
PCT	.3	5.6	43.4	44.4	6.0	.3	100.0		100.0

PERIOD: (0/ER-ALL) 1963-1969

TABLE 18

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.9	.8	.0	.0	.0	.0	2.7	.0	. 3	.0	.0	.0	.0	. 3
1-2	.8	3.8	.0	.0	.0	.0	4.6	. 3	3.5	.0	.0	.0	.0	3.8
3-4	.0	.0	. 8	.0	.0	.0	. 8	.0	1.1	.5	.0	.0	.0	1.6
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	•17	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
51-70	.0	.0	.0	.0	.0	• 0	.0	•0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	• 0	.0	• 0	.0	.0	.0	.0	.0	.0
TOT PCT	2.7	4.5	.8	.0	• 0	• 0	8.2	. 3	4.9	.5	.0	.0	.0	5.7
											SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.4	.0	.0	• 0	• 0	2.4	• 0	3.3	2.2	.0	.0	.0	5.4
3-4	.0	.0	. 8	.0	.0	• 0	. 8	.0	.0	. 3	.0	.0	.0	. 3
5-6	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	• 0	.0	.0	. ()	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73-25	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	• 0	.0	. 0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
/1-86	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT		2.4	. 8	.0	• 0	.0	3.3	.0	3.3	2.4	.0	.0	.0	5.7

PERIOD:	(0)/5	2 4111	1963-1	0.0				,	EBRUARY				1054	0021	BBSSHE	
PERIOU.	LUVE	N-ALL)	1903-1	464				TABLE	18 (CONT)				AKEA		75 121	.3E
				PC	T FREQ	DF WIND	SPEED	(KTS)	AND DIREC	TION	VERSUS S	EA HEIG	HTS (FT)		
				S								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	
<1	1.1	. 8	.0	.0	• 0	• 0	1.9		1.1	1.0		.0	.0	.0	2.7	
1-2	• 0	1.1	1.1	.0	.0	• 0	2.2		.0	9.2		.0	.0	.0	11.4	
3-4	.0	1.1	. 8	.0	• 0	• 0	1.9		.0	.0		.0	.0	.0	.0	
5-6 7	.0	.0	.0	.0	.0	.0	.0		.0	.3		.0	.0	.0	2.2	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	•0	•0	.0		.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	•0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	•0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.1	3.0	1.9	.0	•0	• 0	6.0		1.1	11.1	4.1	•0	.0	.0	16.3	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	1.1	3.0	.0	.0	.0	.0	4.1		.3	1.1	.0	.0	.0	.0	1.4	
1-2	.0	15.2	2.2	.0	.0	.0	17.4		.0	6.0	1.1	.0	.0	.0	7.1	
3-4	.0	1.1	3.0	.0	.0	.0	4.1		.0	1.1	2.4	.0	.0	.0	3.5	
5-6	.0	3.0	5.7	1.9	• 0	• 0	10.6		.0	.0	.0	.3	.0	.0	. 3	
7	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	• 0	• 0	.0		• 0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		•0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.1	22.3	10.9	1.9	.0	.0	36.1		.3	8.2		.3	.0	.0	12.2	93.5

	WIND	SPEED	(KT5)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	12.0	7.6	.0	.0	.0	.0	19.6	UDS
1-2	1.1	44.6	8.7	.0	.0	.0	54.3	
3-4		4.3	8.7	.0	.0	.0	13.0	
5-6	.0	3.3	7.6	2.2	.0	.0	13.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								92
THT PC	13.0	59.8	25.0	2.2	.0	.0	100.0	

PERI	no: (a)	VER-ALL) 195	3-1968					TABLE	19											
					PERCENT	FRE	DUENCY	OF WA	VE HEI	HT (FT	7 VS	WAVE P	ERIDO	SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	9.6		17.0	4.3	1.1	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	71	2
6-7	.0	.0	4.3	9.6	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	5
R-9	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
10-11	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	2
12-13	•0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
>13	•0	.0	.0	• 0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
INDET	5.3	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	0
TOTAL	14	42	20	14	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	3
PCT	14.9	44.7	21.3	14.9	4.3	.0	.0	• 0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1924-1967 (UVER-ALL) 1884-1967

TABLE 1

AREA 0021 BROOME 16.65 121.3E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

					-										
			p	RFCIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N	15.4	2.3	.0	.0	.0	.0	.0	18.6	2.3	2.3	.0	.0	.0	.0	76.8
NE	21.8	5.4	.0	.0	.0		.0	27.2	.0	5.4	4.1	.0	.0	.0	68.7
E	1.9	3.9	.0	.0	.0		.0	5.8	.0	.0	3.9	.0	1.3	.0	89.0
SE	.0	2.0	2.5	.0	.0	.0	.0	4.4	5.9	1.5	.0	.0	5.9	.0	82.4
S	1.5	2.0	1.5	.0	.0		.0	5.0	.0	6.5	.0	.0	9.0	.0	79.5
	.3	1.9	.0	.0	.0		.0	2.2	.0	1.3	3.2	.0	8.2	.0	85.2
SW					.0		.0	7	.0	4.5	3.0	.0	4.5	.0	87.3
W	.0	. 7	.0	.0				9.1	2.0		7.1	.0	3.0		78.7
NW	5.0	7.1	.0	• 0	• 0		.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	• 0	.0									.0	78.9
CALM	.0	5.3	.0	• 0	•0	.0	.0	5.3	•0	15.8	.0	.0	.0	• 0	10.7
TOT DES:	4.1	3.0	.5	•0	•0	.0	.0	7.6	1.1	3.2	2.5	.0	4.4	.0	81.6

TABLE 2

PERCENT FREDUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATION	N TYPE					DTHER	WEATHER	PHEND	MENA	
HQUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00803 06809 12815 18821	4.8 2.3 3.6 6.1	3.4 5.7 2.9 2.4	.0 .0 .7	.0	•0	.0	.0	8.2 8.0 7.1 9.8	1.4 1.1 .7 1.2	1.4 1.1 5.7 3.7	3.4 3.4 2.9 2.4	.0	5.2 3.4 3.6 2.4	.0	79.5 82.8 81.4 80.5
TOT PCT TOT OBS:	4.2 455	3.5	.4	.0	•0	.0	.0	8.1	1.1	3.1	3.1	.0	4.2	.0	80.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				ED (KNO				222						(GMT)			21
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	DBS	FREQ	SPD	00	03	06	09	12	15	16	21
N	2.1	3.9	1.7	1.6	.9	.0		10.1	12.8	7.5	9.6	7.4			10.6	14.1	6.0
NE	2.4	2.7	1.9	1.3	.0	.0		8.4	10.0	7.2	12.2	6.1	5.2	7.8	11.7	7.7	10.7
E	1.1	3.9	3.7	. 2	.0	.0		8.8	10.0	12.8	10.1	13.5	7.3	7.8	2.2	5.1	9.5
SE	1.7	5.5	3.7	. 7	. 1	.0		11.6	10.1	16.1	10.6	22.3	8.3	7.8	8,9	13.5	7.1
5.	1.7	7.9	1.3	. 7	. 1	.0		11.6	8.1	17.2	13.3	16.2	8.3	5.3	15.6	9.0	9.5
S #	1.8	12.9	3.6		.0			18.3	8.0	21.4	28.2	16.9	18.8	15.0	12.2	14.1	19.0
W .		11.5	2.9		.0	.0		15.2	8.2	10.0	10.6	8.8	21.9	18.5	23.3	4.5	23.8
NW	. 6		1.6		. 3	.0		11.2	8.6	6.7	5.3	3.4		18.9	15.6	14.1	7.1
	1.9	6.9			.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5
VAR	.0	.0	.0	• 0	. 0	. 0		4.6	.0	1.1	.0	5.4			.0	17.9	7.1
CALM	4.6			2.				4.0	8.8	90	47	37	48	90	45	39	42
TOT DBS	78	242	89		6	G	438		0.0								
TOT PCT	17.8	55.3	20.3	5.3	1.4	• ()		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL DRS	PCT FREQ	MEAN SPD	00	100F	12 15	18
N	4.3	3.0	1.2	1.6	.0		10.1	12.8	8.2	9.7	12.4	9.9
NE	4.2	2.5	1.4	. 3	.0		8.4	10.0				
E	3.5	4.0	1.3	. 1	.0		8.8	10.0	11.9	10.0	5.9	7.4
SE	3.9	5.7	1.8	. 2	.0		11.6	10.1	14.2	14.4	8.1	10.2
S	6.3	4.2	1.0	.1	.0		11.6	8.1	15.9	11.8	8.7	9.3
3					.0		18.3	8.0	23.7	17.9	14.1	16.7
SW	7.5	9.9	1.0	.0								14.5
W	6.7	8.2	.3	.0	.0		15.2	8.2	10.2	16.2	20.2	
NW	5.4	4.8	. 7	. 3	.0		11.2	8.6	6.2	9.7	17.8	10.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM		• • •					4.6	.0	.7	4.7	3.7	12.3
	4.6					439	4.0	8.8	137	85	135	81
TOT DAS	203	185	38	12	0	438		0.0				
TOT PCT	46.3	42.2	3.7	2.7	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIND: (PRIMARY) 1924-1967 (UVER-ALL) 1884-1967

TABLE 4

AREA 0021 BROOME 16.65 121.3E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10		SPEED (KNOTS) 34-47	48+	MEAN	PCT	DBS
00603	.7	13.9	55.5	21.2	5.8	2.9	.0	10.0	100.0	137
90300	4.7	12.9	56.5	23.5	2.4	.0	.0	8.0	100.0	85
12615	3.7	13.3	56.3	18.5	5.7	1.5	.0	8.8	100.0	135
18621	12.3	12.3	51.9	18.5	4.9	.0	.0	7.8	100.0	81
TOT	20	58	242	89	23	6	0	8.8		438
PCT	4.6	13.2	55.3	20.3	5.3	1.4	.0		100.0	

P	CT FRE		TAL C			(EIGHTHS)							CEILIN					
WND DIR	C-2	3-4	5-7	8 & 085CD	THTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000	3500 4999	5000 6499	6500 7999	8000+	NH <5/P ANY HGT	TOTAL
N	4.8	3.2	1.1	4.0		3.8	.0	.0	.0	3.4	.6	.0	.0	.0	.0	.0	9.1	
NE	3.8	1.3	1.3	2.7		4.0	.0	.0	.0	1.3	1.4	.0	.0	.0	.0	.0	5.4	
E	5.4	2.6	1.8	2.2		3.5	.0	.0	.0	. 5	1.8	.6	.0	.0	.0	.6	8.5	
SE	5.9	. 2	3.4	5.3		4.R	.0	.0	.0	. 8	2.6	1.3	.0	.0	.0	.0	10.1	
S	6.7	2.2	.6	. 5		2.1	.0	.0	.0	. 5	.0	.0	.0	.0	.0	.0	9.6	
SW	4.0	2.6	7.1	1.3		4.3	.0	.0	.0	.0	2.6	1.3	.6	.0	.0	. 6	9.8	
W	4.6	2.5	. 5	.6		2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5	7.7	
NW	3.7	2.7	1.6	1.3		3.3	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	7.4	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.2	1.3	1.3	2.6		4.0	.0	.0	.0	.0	.6	.0	. 6	.0	.0	1.3	5.8	
TOT DBS	66	29	29	32	156	3.7	0	0	0	10	18	5	2	0	0	5	116	155
TET PCT	42.3	18.6	18.6	20.5	100.0		.0	• 0	.0	6.4	11.5	3.2	1.3	• 0	.0	3.2	74.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM	1)			
CF	FILING	■ OR	· DR	= DR	= DR	= □R	= DR	= DR	= DR
()	FEFTI	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR	>6500	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
. DR	>5000	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
· OR	>3500	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
. OR	>2000	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
• DR	>1000	16.5	19.0	19.0	19.0	19.0	19.0	19.0	19.0
· DR	>600	17.7	24.7	25.3	25.9	25.9	25.9	25.9	25.9
. DR	>300	17.7	24.7	25.3	25.9	25.9	25.9	25.9	25.9
• DR	>150	17.7	24.7	25.3	25.9	25.9	25.9	25.9	25.9
- OR	> 0	17.7	24.7	25.3	25.9	25.9	25.9	25.9	25.9
	TOTAL	28	39	40	41	41	41	41	41

TOTAL NUMBER UF OBS: 158 PCT FREQ NH <5/8: 74.1

TABLE 7A

PERCENTAGE FREG OF LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD UBS 25.6 23.2 7.9 11.0 5.5 .0 7.9 2.4 16.5 .0 164

nee ton.	(PRIMARY)	1924-1967	Α	REA	0021	BRDD	ME
PER II U.	(UVER-ALL)		TABLE 8			16.65	121.3E
			PERCENT FREG UF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRE PRECIPITATION WITH VARYING VALUES OF VISIBILITY	NCE	DF		

SBY		N	NE		SF	5	SW	W	NW	VAR	CALM	PCT	TOTAL
		14	146		21	3	3"						DBS
(MM)	PCP	. 2	.0	.0	•	.0	.0	.0	.0	.0	.0	. 2	003
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2	TOT %	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	
	(21)	• *	• •		• 0	• 0		***					
	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
/2<1	NO PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
<2	NO PCP	.0	.0	.1	.7	1.0	1.3	.5	. 3	.0	.0	3.9	
	TOT %	.5	.0	.1	.7	1.0	1.3	. 5	. 3	.0	.0	4.4	
		7.7											
	PCP	. 2	. 3	.0	.0	.0	.0	.0	.0	.0	.0	. 5	
<5	NO PCP	• 0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	
	TOT %	.2	.3	.0	.6	.0	.0	.0	.0	.0	.0	.5	
	PCP	1.0	2.0	.5	. 3	.3	.2	.1	. 3	.0	.0	5.3	
<10	ND PCP	3.6	2.8	2,3	3.4	4.1	7.4	8.1	6.6	.0	1.1	39.5	
	TOT %	4.7	4.8	2.8	3.7	4.5	7.6	8.2	7.4	.0	1.1	44.8	
	PCP	.0	.0	.0	.2	. 2	. 2	.0	. 2	.0	.2	1.1	
0+	NO PCP	4.7	3.4	6.0	7.1	F.7	9.1	6.7	3.3	.0	3.0	49.0	
.04	TOT %	4.7	3.4	6.0	7.3	0	9.4	6.7	3.6	.0	3.2	50.1	
	-07 205												435
	TOT DBS						18.2	15.3	11.3	.0			73.

TABLE 9

			F	PERCEN	T FREQ	OF WI ARYING	ND DIR VALUE	ECTION S OF V	VS WIT	ND SPE	ED		
VSBY (NM)	SPD	N	NE	ε	SE	S	SW	*	NW	VAR	CALM	PCT	TOTAL
(4m)	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.2	.0	.0	.0	.0	.0	.0	.0	.0		, 2	
11/2	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	. 0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	. 2	. 1	.1	.0	.0	.5	
1<2	4-10	. 2	.0	.0	. 2	. 5	1.0	. 3	. 2	.0		2.5	
	11-21	.0	.0	.0	. 2	. 0	.0	.0	.0	.0		. 2	
	22+	. 2	• 0	. 1	. 2	. 6	.0	.0	.0	.0		1.1	
	TOT %	.5	• 0	. 1	.7	1.0	1.3	.5	.3	.0	.0	4.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	. 2	. 3	.0	.0	.0	.0	.0	.0	.0		.5	
	TOT 5	. 2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.,	
	0-3	1.5	.9	. 3	.5	. 8	.6	. 3	1.7	.0	1.1	7.6	
5<10	4-10	1.5	1.3	1.2	1.6	2.8	5.2	5.5	4.1	.0		23.2	
	11-21	.5	1.5	1.1	1.1	. 7	1.8	2.2	1.3	.0		10.1	
	22+	1.4	1.0	. 1	.6	. 2	.0	. 2	. 3	.0		3.9	
	TOT %	4.7	4.8	2.8	3.7	4.5	7.6	8.2	7.4	.0	1.1	44.8	
	0-3	.7	1.5	.7	1.2	.6	. 8	. 2	. 2	.0	3.2	9.2	
10+	4-10	2.0	1.4	2.7	3.7	4.7	6.7	5.8	2.6	.0		29.7	
	11-21	1.3	.5	2.5	2.4	.6	1.8	.7	. 3	.0		10.1	
	22+	. 7	.0	.0	.0	.0	.0	.0	.5	.0		1.1	
	TOT %	4.7	3.4	6.0	7.3	6.0	9.4	6.7	3.6	.0	3.2	50.1	
,	TOT OPS												435
1	TOT PET	10.2	8.4	8.9	11.7	11.5	18.2	15.3	11.3	.0	4.4	100.0	

							MAR	CH						
MARY) 1924-1 K-ALL) 1884-1							TABLE	10			AR		BROOME .65 12	1.3E
			PER	CENT F					HTS (F		>4/81 4	ND		
HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00803	.0	.0	.0	4.7	17.4	6.5	.0	.0	.0	2.2	34.8	65.2	46	
90300	• 0	.0	.0	5.3	5.3	2.6	.0	.0	.0	5.3	18.4	81.6	38	
12615	.0	.0	•0	10.0	7.5	.0	.0	.0	.0	5.0	22.5	77.5	40	
18621	.0	.0	.0	2.7	13.5	2.7	5.4	.0	.0	.0	24.3	75.7	37	
TOT PCT	.0	.0	.0	11	18	3.1	1.2	.0	.0	3.1	25.5	120 74.5	161	

\$ 0

			TA	BLE 1	1			TABLE 12	
		PERCENT	FREQUENCY	VSBY	(NM)	BY HOUR		CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AN CRILING HGT (FEET,NH >4/8),BY HOUR	n/DR
HOUR (GMT)		1/2<1	1<2	2<5	5<10	10+	TOTAL OBS		TAL BS
00803	.0	• 0	6.2	1.4	43.2	49.3	146	00803 .0 .0 8.7 26.1 65.2	46
06609	.0	.0	3.4	.0	41.4	55.2	87	06609 .0 .0 5.3 13.2 81.6	38
12615	.0	.0	3.6	.0	54.3	42.1	140	12615 .0 .0 10.3 12.8 76.9	39
18621	.1.2	.0	2.4	.0	43.9	52.4	82	18621 .0 2.9 5.7 22.9 71.4	35
TOT PCT	.2	.0	19	.4	211	222 48.8	455 100.0		158

				Т	AALE 1	3									TABL	E 14				
	PERCE	NT FR	EQUENC	Y OF R	ELATIVE	HUMI	TTY BY	Y TEMP				PERCE	ENT FR	EQUENC	Y OF W	INO DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	FREQ	N	NE	E	SE	s	SW	W	NW	VAR	CALM
90/94	.0	.0	.0	.6		.6	.0	.0	6	1.7	.0	.3	.2	. 2	.7	.0	.0	. 3	.0	.0
85/89	.0	.0	, 3	2.5	6.6	20.2	19.1	2.2	184	51.0	3.5	2.4	4.8	4.8	6.7	12.4	8.6	4.0	.0	3.9
80/84	.0	.0	.0	.0	3.0	11.4	22.2	6.1	154	42.7	3.3	4.4	4.2	6.0	2.6	6.8	7.8	5.6	.0	1.1
75/79	.0	.0	.0	.0	.6	. 3	1.1	2.5	16	4.4	1.1	. 8	.3	1.5	.1	.0	.0	.6	.0	.0
70/74	.0	.0	.0	.0	.0	.0	.0	. 3	1	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	0	0	1	11	39	117	153	40	361	100.0										
PCT	.0	.0	. 3	3.0	10.8	32.4	42.4	11.1			8.1	7.8	9.4	12.5	10.2	19.2	16.3	11.5	.0	5.0

PCT		· ·	· ·	3 3.0		32.4	42.			8.1	7.8	9.4	12.5	10.2	19.2 1	6.3 11.	.5 .0	5.0
				TAF	LF 15									TABLE	16			
	MEANS,	EXTREM	ES AND	PERCEN	NTILES	OF TEN	IP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF REL	ATIVE H	UMIDITY	BY HOUR	2
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00803	89	88	87	85	79	77	77	84.2	145	00603	.0	2.5	13.1	34.4	40.2	9.8	78	122
06609	93	92	90	86	81	78	78	85.8	84	06609	.0	4.1	16.2	41.9	32.4	5.4	76	74
12815	91	89	88	84	80	78	77	84.1	135	12615	.0	3.4	7.7	30.8	47.9	10.3	79	117
18821	90	89	86	84	79	74	74	83.3	78	18821	.0	3.0	7.6	21.2	45.5	22.7	82	55
TOT	93	90	88	85	79	77	74	84.3	442	TOT	0	12	42	123			79	379

PERIOD: (PRIMARY) 1924-1967 (DVER-ALL) 1884-1967

TABLE 17

AREA 0021 BROOME 16.65 121.3E

PCT FREQ UF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73	77			89	>92	TOT	W .	Wo	
INP OIL	76	80	04	0.0	42			FOG	FDG	
14/16	.0	.0	.0	.3	.0	.0	1	.0	.3	
11/13	.0	.0	.0	. 7	.0	.0	2	.0	. 7	
9/10	.0	.0	. 3		.0	.0	3	.0	1.0	
7/8	.0	.0	. 3		.0	.0		.0	1.4	
6	.0	.0	.0	. 3	.0	.0	1 2 5	.0	. 3	
5	.0	.0	.0	.3	. 3	.0	2	.0	. 7	
4	.0	.0	. 3	1.0	.0	. 3	5	.0	1.7	
3	.0	.0	1.4	3.1	1.7	.0	18	.0	6.2	
3 2 1 0	.0	.0	.7	5.2	.7	.0	19	. 3	6.2	
1	.0	.0	3.8	5.9	. 3	.0	29	.0	10.0	
0	.0	1.0	7.3	12.1	.0	.0	59	2.8	17.6	
-1	.0	. 7	6.9	9.7	.0	.0	50	1.0	16.3	
-2	.0	1.4	9.0	3.8	.0	.0	41	. 3	13.8	
-3	.0	1.4	3.1	2.1	.0	.0	19	. 3	6.2	
-4	.0	. 3	2.8	1.4	.0	.0	13	. 0	4.5	
-5	.0	1.4	2.8	.0	.0	.0	12	.0	4.2	
-6	. 0	1.0	.0	.0	.0	.0	3	.0	1.0	
-7/-8	.0	1.7	.3	.0	.0	.0	6	.0	2.1	
-9/-10	.0	. 3	.0	.0	.0	.0	1	.0	. 3	
-11/-13	.3	.0	.0	.0	.0	.0	1	.0	. 3	
TOTAL	1		113		9			14	275	
		27		138		1	289			
PCT	. 3	9.3	39.1	47.8	3.1	. 3	100.0	4.8	95.2	

PERIOD: (DVER-ALL) 1953-1967

				Po	T FRED	OF WIND	SPEED	(KTS) AND DI	RECTION	ERSUS S	SEA HEID	HTS (FT)	
				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-	3 4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.6	.0	.0	.0	.0	2.3			.0	.0	.0	.0	.5
1-2	.0	2.9	.0	.0	.0	• 0	2.9			.0	.0	.0	.0	1.6
3-4	.0	.0	2.7	.0	.0	.0	2.7		0.0	2.7	.0	.0	.0	2.7
5-6	.0	.7	.0	. 9	.0	.0	1.6			.0	.9	.0	.0	. 9
7	.0	.0	.0	2.3	.0	.0	2.3		0.0	.0	. 5	.0	.0	.5
8-9	.0	.0	.0	1.6	.0	• 0	1.6			.0	1.1	.0	.0	1.1
10-11	.0	.0	.0	.0	.0	.0	.0			.0		.0	.0	.0
12	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	• 0	.0	.0			.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	
26-32	.0	.0	.0	.0	• 0	.0	.0			.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0	.0			.0		.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	:		.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	•0		:			.0	.0	.0	.0
TUT PCT	.7	5.2	2.7	4.7	.0	.0	13.3	1.		2.7	2.5	.0	.0	.0
											2.13	.0	.0	7.2
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1-1	4-10	11-21	22-33	34-47	48+	PCT
<1	. 7	4.5	.0	.0	• 0	• 0	5.2		4.5	.0	.0	.0	.0	5.4
1-2	.0	3.8	2.3	.0	.0	.0	6.1	. (. 5	.0	.0	.0	4.5
3-4	. 7	1.4	.0	.0	.0	.0	2.0			3.6	.0	.0	.0	6.1
5-6	.0	.0	2.7	.0	• 0	• 0	2.7			.9	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	• 0	.0	• (. 2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	• 0	• 0	.0	.(.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0
12	.0	.0	.0	.0	• 0	.0	.0	. (.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	• 0	• 0	.0	.0		.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	. (.0	.0	.0	.0	.0
20-22	. 0	.0	.0	.0	.0	.0	.0			.0	.0			.0
23-25	.0	.0	.0	.0	.0	. 0	.0			.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	• 0	.0	.0	.0		.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0					.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	•0	•0				• 0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	•0	•0	.0	.0		.0	• 0	.0	.0	.0
87+	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	.0
TOT PCT	1.4	9.7	5.0	.0	.0	.0	.0			.0	.0	.0	.0	.0
			,,,		• 0	.0	16.0	1.1	10.0	5.2	.0	.0	.0	17.1

									MARCH							
PERIOD:	(OVE	R-ALL)	1963-1	967				TABLE	18 (CONT)			AREA		.65 12	1.36
				PC	T FREQ OF	WIND	SPEED				VERSUS	SEA HEIG	HTS (FT)			
					/							SW				
HGT	1-3	4-10	11-21	22-33	34-47	46+	PCT		1-3	4-10	11-21		34-47	48+	PCT	
<1	.0	. 9	.0	.0	.0	.0	. 9		2.0	4.5		.0	.0	.0	6.5	
1-2	.0	2.5	.0	.0	.0	.0	2.5		.0	8.6		.0	.0	.0	8.6	
3-4	.0	1.6	1.8	.0	.0	.0	3.4		.0	1.4			.0	.0		
5-6	.0	.0	.0	.0	.0	• 0	.0		.0	.0			.0	.0		
7	.0	.0	.7	.0	• 0	.0	. 7		.0	.0			.0	.0		
8-9	.0	.0	.0	.0	.0	.0	. ()		.0	.0			.0	.0		
10-11	.0	.0	.0	40	• 0	.0	.0		.0	.0			.0	.0		
12	.0	.0	.0	.0	• 0	.0	• 0		.0	.0			.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
49-60	.0	.0	.0	.0	• 0	.0	.0		.0	.0			.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	.0	.0		.0	.0			.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0		
TOT PCT	.0	5.0	2.5	.0	• 0	• 0	7.4		2.0	14.4	.0	.0	.0	.0	16.4	
				W								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	. 7	.0	.0	.0	.0	.0	. 7		• 2	.9			.0	.0	1.1	
1-2	.0	2.5	.0	.0	.0	.0	2.5		.0	4.7	. 9	0	.0	.0	5.6	
3-4	.0	.7	.0	.0	• 0	.0	. 7		.0	.0			.0	.0		
5-6	.0	.0	.0	.0	• 0	• 0	.0		.0	. 2			.0	.0		
7	.0	.0	.0	.0	• 0	.0	.0		.0	.0			.0	.0		
8-9	.0	.0	.0	.0	• 0	• 0	.0		• 0	.0			.0	.0		
10-11	.0	.0	.0	.0	• 0	• 0	.0		.0	.0			.0	.0		
12	.0	.0	.0	.0	• 0	• 0	.0		.0	.0			.0	.0		
13-16	.0	.0	.0	.0	•0	• 0	.0		.0	.0			.0	.0		
20-22	.0	.0	.0	.0	•0	.0	.0		.0	.0			.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
33-40	.0	.0	.0	.0	•0	.0	.0		.0	.0			.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
71-86	.0	.0	.0	.0	• 0	.0	.0		.0	.0			.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
TOT PCT	. 7	3.2	.0	.0	.0	.0	3.8		. 2	5.9			.0	.0		89.2
- Articles	*(10											.,	.,	, ,		

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TUT
<1	16.2	17.1	.0	.0	.0	.0	33.3	003
1-2	.9	29.7	3.6	.0	.0	.0	34.2	
3-4	.9	7.2	10.8	. 9		.0	19.8	
5-6	.0	.9	3.6	1.8	.0	.0	6.3	
7	.0	.0	. 9	2.7	.0	.0	3.6	
8-9	.0	.0	.0	2.7	.0	.0	2.7	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								111
TOT PCT	18.0	55.0	18.9	8.1	.0	.0	100.0	

PERIFO: (PRIMARY) 1924-1969 ((DVER-ALL) 1891-1969

TABLE 1

AREA 0021 BROOME 16.75 121.4E

PERCENT FREQUENCY	OF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

			P	RECIPI	TATIU	N TYPE					OTHER	WEATHER	PHEND	MENA	
Who DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE		
N NE	2.4	9.3	.0	.0	.0	.0	.0	9.3	.0	1.9	.0	.0	2.4	.0	88.9
E SE	.0	3.3	.0	.0	.0	.0	.0	3.3	.0	1.1	1.1	.0	4.3	.0	91.3
Sw	1.3	1.3	.0	.0	.0	.0	.0	1.9	.0	4.1	1.9	.0	2.5	.0	89.6
W NW	2.9	7.1	2.9	.0	.0		.0	10.0	.0	7.8	5.8	.0	.0	.0	86.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0
CALM	.0	.0	.0	•0	• 0	.0	.0	.0	.0	5.7	.0	.0	.0	.0	94.3
TOT PCT TOT UBS:	572	2.6	. 2	•0	•0	.0	.0	3.1	•0	3.0	2.3	.0	1.4	.0	90.2

TABLE 2

DEBUENIT	COCOUENCY	ne	WEATHER	DECHIDOCKEE	DV	HOUR

			P	RECIPI	TATIO	N TYPE					UTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00603 06609	.5	3.2	.0	.0	.0	.0	.0	3.8	.0	.5	2.7	.0	2.2	.0	90.8
12415 18421	.8	2.7	.0	.0	.0	.0	.0	3.3	.0	6.5	3.3	.0	1.1	.0	88.6
TOT PCT	502	2.7	. 2	.0	•0	.0	.0	3.2	.0	2.8	2.7	.0	1.3	.0	90.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		w11	NO SPE	ED IKN	075)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL DBS	FREQ	SPD	00	03	06	09	12	15	18	21	
N NE	1.5	5.0	2.0		.2	.0		9.4	9.8	5.6	7.5	4.6	10.1	13.8	11.9	5.3		
E	1.7	8.1	5.3			.0		16.1	10.1	25.2	19.4	30.9	20.3	9.0	9.5	10.6		
SE	2.3	7.4	4.9			.0		15.4	9.5	16.1	27.6	3.3	19.6	11.4	10.3	2.7		
5	3.9	8.7	1.2	.1	.0	.0		13.8	6.6	18.5	14.9	17.1	6.5	13.2	7.1	17.0	15.9	
SW	1.3	10.9	1.1	• 0	.0	.0		13.3	6.8	15.0	11.2	15.1	8.7	11.2	20.6	17.0	10.9	
W	2.7	5.7	. 7	.0	.0	.0		9.0	5.1	6.1	6.7	8.6	10.9	10.3	11.1	9.6	9.4	
NW	1.5	3.7	. 3	. 5	.0	.0		6.1	7.4	5.1	. 7	1.3	5.5	10.5	6.3	9.6	5.1	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	
CALM	9.2							9.2	.0	3.7	3.0	13.2	5.8	12.3	14.3	23.4	5.8	
TOT UBS	141	309	103	19	2	0	574		7.5	107	67	38	69	114	63	47	69	
TOT PCT	24.6	53.8	17.9	3.3	.3	. 0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 34

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TUTAL	PCT	MEAN SPD	00	06 09	12 15	18 21
N	4.9	2.8	1.2	.5	.0		9.4	9.8	6.3	8.2	13.1	9.5
NE	3.6	3.0	.9	.2	.0		7.7	9.6	6.3	9.5	8.5	6.7
E	6.4	6.6	3.0	.2	.0		16.1	10.1	23.0	24.1	9.2	9.1
5.8	5.8	7.3	2.3	.0	.0		15.4	9.5	20.5	13.8	11.0	15.7
NE E SE S	7.1	6.2	.4	.0	.0		13.8	6.6	17.1	10.3	11.0	16.4
SW	7.1	6.1	. 2	.0	.0	1	13.8	6.8	13.5	11.0	14.5	13.4
NW	7.1	1.9	.0	.0	.0		9.0	5.1	6.3	10.0	10.6	9.5
NW	3.9	1.7	.2	.0	.0		6.1	7.4	3.4	4.7	9.0	6.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	9.2						9.2		3.4	8.4	13.0	12.9
TOT DBS	316	204	47	7	0	574		7.5	174	107	177	116
TOT PCT	55.1	35.5	8.2	1.2	.0		100.0					100.0

	D	

PERIOD: (PRIMARY) 1924-1969 (OVER-ALL) 1891-1969

TABLE 4

AREA 0021 BRODME 16.75 121.4E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

						KNOTS)	48+	MEAN	PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	40+	HEAN	FREG	003
00803	3.4	15.5	52.9	23.6	4.6	.0	.0	8.5	100.0	174
06609	8.4	15.9	53.3	15.9	4.7	1.9	.0	8.1	100.0	107
12615	13.0	13.0	58.2	13.0	2.8	.0	.0	6.7	100.0	177
18621	12.9	18.1	49.1	19.0	. 9	.0	.0	6.6	100.0	116
TOT	53	88	309	103	19	2	O	7.5		574
PCT	9.2	15.3	53.8	17.9	3.3	. 3	.0		100.0	

TABLE 5

TABLE 6

Р	CT FRE			LOUD A		(EIGHTHS)							CEILIN NH <5/					
WHO DIP	0-2	3-4	5-7	8 & 08500	THTAL DBS	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	3.2	2.2	1.2	2.3		3.7	.0	.0	.0	.6	1.9	1.1	.0	.0	.0	.0	5.4	
NE	5.4	. 2	. 6	.6		1.5	.0	.0	.0	.0	. 6	.0	.0	.0	.0	.0	5.2	
E	15.1	1.2	.6			1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.6	
SE	2.3	1.4	.0	.0		1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	
5	14.7	3.2	.0	.6		1.2	.0	.0	.0	. 5	.0	.0	.0	.0	.0	.0	17.9	
SW	11.7	1.9	2.5	.0		1.5	.0	.0	.0	.0	.0	. 6	.6	.0	.0	.6	14.2	
W	5.1	3.2	.0	. 0		1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	
NW	5.4	. 9	.6	. ?		1.5	.0	.0	.0	.0	.0	. 2	.0	.0	.0	.0	6.9	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	10.5	1.2	1.2	.0		1.0	.0	.0	.0	.0	.0	.0	.0	• 0	• 0	.0	13.0	
TUT DBS	119	25	11	7	162	1.5	. 0	0	0	2	4	3	1	0	0	1	151	162
TOT PCT	73.5	15.4	6.8	4.3	100.0	7.15	.0	.0	.0	1.2	2.5	1.9	.6	.0	.0	.6	93.2	100.0

CUMULATIVE	PCT FREQ	OF SIMUL	TANEQU	5 000	URRENCE
OF CEILIN	G HEIGHT	(NH >4/8	1 AND	VSBY	(NM)

				VSBY (NM)			
CEILING	■ DR	• DR	= DR	e OR	* DR	· DR	· DR	* OR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
- DR >6500	.6	.6	.6	.6	.6	.6	.6	.6
■ DR >5000	.6	.6	.6	.6	.6	.6	.6	.6
■ DR >3500	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
■ DR >2000	2.5	3.1	3.1	3.1	3.1	3.1	3.1	3.1
■ DR >1000	3.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6
■ DR >600	3.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8
■ DR >300	3.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8
■ DR >150	3.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8
• OR > 0	3.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8
TOTAL	6	11	11	11	11	11	11	11

TOTAL NUMBER UF OBS: 162 PCT FREQ NH 45/8: 93.2

TABLE 7A

PERCENTAGE PREG OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 R DBSCD DBS 55.0 17.8 12.4 5.3 1.2 1.8 1.2 .6 4.7 .0 169

PERIOD:	(PRIMARY)	1924-1969
	(DVER-ALL)	1891-1969

TABLE 8

AREA 0021 BROOME 16.75 121.4E

								1.7	NW	14.0		PCT	TOTAL
SBY		N	NE	E	SE	5	SW	W	14.80	VAR	CALM	PCI	DBS
NM)							^	.0	.0	. 0	.0	.0	003
	PCP	.0	• 0	.0	.0	.0	.0		.0		.0	.0	
1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	• 0	• 0	.0	.0	.0	.0	.0	• 0	.0	.0	• 0	
	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
/2<1	NO PCP	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<2	NO PCP	.0	• 0	. 5	. 2	. 3	.0	.0	.0	.0	.0	1.0	
	TOT %	.0	.0	.5	.2	.3	.0	.0	.0	.0	.0	1.0	
	PCP	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<5	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
()	TOT %	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	. 9	. 4	.5	. 3	.3	. 2	.0	. 4	.0	.0	3.0	
<10	NO PCP	4.9	4.1	8.9	12.6	6.7	6.6	5.3	2.4	.0	4.7	56.3	
110	TOT %	5.8	4.5	9.4	12.8	7.0	6.8	5.3	2.8	.0	4.7	59.3	
	PCP	• 0	.0	.0	.0	.0	.0	.0	. 2	.0	.0	.2	
0+	NO PCP	3.7	2.9	6.1	2.4	5.5	6.6	3.7	3.1	.0	4.5	39.5	
u+	TOT &	3.7	2.9	6.1	2.4	6.5	6.6	3.7	3.3	.0	4.5		
	TOT OBS												572
	TOT PCT	9.4	7.4	16.1	15.4	13.9	13.4	9.0	6.1	.0	9.3	100.0	

TABLE 9

				FERGE	WITH V	ARYING	ND DIRE	OF V	SIBIL	TY			
VSBY (NM)	SPD	N	NE	E	SE	5	SW	*	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	. 3	. 1	.0	.0	.0	.0	.0	.0		. 3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	. 3	. 1	.0	.0	.0	.0	.0	.0	.0	. 3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
-	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	. 3	. 2	. 3	.0	.0	.0	.0		. 9	
	11-21	.0	.0	. 2	.0	.0	.0	.0	.0	.0		. 2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	. 5	. 2	. 3	.0	.0	.0	.0	.0	1.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TUT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	1.0	. 3	1.4	1.9	2.3	.7	2.2	1.2	.0	4.7	15.7	
5<10	4-10	2.5	2.4	4.9	5.9	3.9	5.7	2.9	. 9	.0		29.1	
	11-21	1.3	1.5	2.3	4.2	. 7	. 4	. 3	. 2	.0		10.8	
	22+	1.0	.3	. 9	. 8	. 1	.0	.0	.5	.0		3.5	
	TOT %	5.7	4.5	9.4	12.8	7.0	6.8	5.3	2.8	.0	4.7	59.1	
	0-3	.5	• 1	.3	. 4	1.6	.6	.5	. 3	.0	4.5	8.9	
10+	4-10	2.4	2.0	2.9	1.3	4.4	5.2	2.8	2.8	.0		23.9	
	11-21	. 7	. 8	2.8	.6	. 5	. 7	.4	. 2	.0		6.6	
	22+	.0	.0	. 1	. 1	.0	.0	.0	.0	.0		. 2	
	TOT %	3.7	2.9	6.1	2.4	6.5	6.5	3.7	3.3	.0	4.5	39.5	
1	TOT DAS												574
7	TOT PCT	9.4	7.7	16.1	15.4	13.8	13.3	9.0	6.1	.0	9.2	100.0	

									APR	IL						
PERIOD:	(PRIMARY								TABLE	10			AR		BROOME .75 121	.48
					PER	CENT F					HTS (F		>4/81 A	IND		
		HOUR (GMT)	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
		00603	.0	.0	• 0	.0	5.0	.0	.0	.0	.0	.0	5.0	95.0	40	
		90300	.0	.0	•0	2.6	2.6	.0	.0	.0	.0	.0	5.1	94.9	39	
		12815	.0	.0	•0	2.3	2.3	4.7	.0	.0	.0	.0	9.3	90.7	43	
		18621	.0	.0	• 0	.0	.0	2.3	2.3	.0	.0	2.3	6.8	93.2	44	
		TOT PCT	.0	.0	.0	1.2	2.4	1.8	.6	.0	.0	.6	6.6	155 93.4	166 100.0	

			TΔ	SLE 1	1						BLBAT	12		
		PERCENT	FREQUENCY	VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.0	2.2	.0	62.7	35.1	185	00803	.0	.0	.0	5.1	94.9	39
06609	.9	.0	.9	.0	55.9	42.3	111	06609	.0	.0	2.6	2.5	94.9	39
12615	.5	.0	.5	.0	64.3	34.6	185	12615	.0	.0	2.5	7.5	90.0	40
18821	.0	.0	•0	.0	52.0	48.0	123	18621	.0	.0	.0	6.8	93.2	44
TOT PC1	.3	.0	1.0	.0	361 59.8	235 38.9	100.0	TOT PCT	.0	0.0	1.2	9 5.6	151 93.2	162

				т	ARLE 13	3									TABLE	14			
	PERC	ENT F	REQUENC	Y OF R	ELATIVE	HUMI	ITY BY	TEMP	TOTAL	PCT		PER	CENT FR	EQUENC	Y OF WI	ND DIRE	CTION B	TEMP	
TEMP F	0-29	30-3	9 40-49	50-59	60-69	70-79	R0-89	90-100		FREQ	N	NE	E	SE	S	SW	* '	W VAR	CAL
90/94			0 .2	. 8	1.0	.6	.2	.0	14	2.9	. 2	.5	.6	.5	.6	.2	.0 4.0 2.	0 .0	
85/89			8 2.1	4.4	8.3	12.5	6.5	. 4	168	35.0	1.9			6.8	3.3				
80/84			0 1.7	7.7	9.4	15.4	21.5	3.8	285	59.4	7.3			7.9	9.5		5.2 3.		
75/79			0 .2	. 4	. 2	. 8	.0	1.0	13	2.7	• 1	. 1	.7	1.3	. 5	.0	.0	0 .0	. 0
PCT	.0		8 4.2	13.3	19.0	29.4	135	2.5	480	100.0	9.6								
			0 4.2	13.5	17.0	27.4	28.1	5.2			7.0	6.9	15.8	16.5	14.0	14.3	9.2 5.	.6 .0	8.1
				TAR	LF 15										TABLE	14			
								-											
	MEANS, E	XIREN	ES AND	PERCEN	TILES	F TEMP	DEG	F) BY	HOUR			PERC	ENT FRE	QUENCY	DF REL	ATIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN N		DBS		HOUR (GM1)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	91	90	89	84	80	77	76 8	4.1	173		00603	.0	18.5	22.9	31.2	21.0	5.4	71	157
06609	91	90	90	86	81	78	78 8	15.7	97		90300	.0	26.1	26.1	31.9			56	88
12615	90	87	86	84	8 1	77		13.6	177		12615	.0	13.3	19.0	29.1	34.2	4.4	74	158
18621	87	86	86	83	78 80	76		8.5	113		18621	.0	15.7	9.8	25.5	42.2	5.9	75	102
TOT	91						75 8					0						72	

PERIOD: (PRIMARY) 1924-1969 (DVER-ALL) 1891-1969

TABLE 17

AREA 0021 BROOME 16.75 121.4F

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

,		AIK-	SEA	Chie C	MIONE			, UE	0 11	
AIR-SEA	4	73	77	81	85	89		TOT	W	WD
TMP DIE	=	76	80	84	88	92			FOG	FOG
9/10		.0	.0	. 3	. 3	.0		2	.0	.6
7/8		.0	. 3	.9	.6	. 3		7	.0	2.2
6		.0	.0	.0	.0	. 6		2	.0	.6
5		.0	.0	. 9	1.6	. 3		9	.0	2.8
4		.0	. 3	. 3	1.3	1.3		10	.0	3.1
5 4 3 2		.0	. 6	. 6	3.4	1.3		19	. 3	5.6
2		.0	.0	2.5	8.8	. 3		37	. 6	10.9
1		.0	. 6	5.3	9.1	.0		48	1.3	13.8
0		.0	.0	6.6	5.9	.0		40	1.9	10.6
0 -1		.0	.0	13.4	3.1	.0		53	.6	15.9
-2		. 3	. 6	8.8	.6	.0		33	.0	10.3
-3		.0	. 6	8.8	1.3	.0		34	. 3	10.3
-4		.0	1.3	4.4	.0	.0		18	.0	5.6
-5		.0	. 6	.6	.0	.0		4	.0	1.3
-6		.0	. 3	. 3	.0	.0		2	.0	.6
-7/-8		. 3	. 3	.0	.0	.0		2	.0	.6
TUTAL		2		172		13			16	304
			18		115			320		
PCT		.6	5.6	53.8	35.9	4.1	10	0.0	5.0	95.0

PERIOD: (OVER-ALL) 1963-1969

TABLE 18
PCT FREG OF WING SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 TP CT 1-3 48+ 9.3 9.3 1-3 1.00 11-21 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-2 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87-71 1-3 11-21 1.0 1.9 1.9 1.7 .0 .0 .0 .0 .0 .0 27-33 48. 1-3

									APRIL				1051	0021	BBDDHE	
PERIOD:	COVE	K-ALL)	1963-1	969				TARLE	18 COUNT)			AREA		75 121	.4E
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS	SEA HEIG	HTS (FT	1		
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	
<1	4.5	3.6	1.0	.0	.0	.0	9.0		2.1	2.1	.0	.0	.0	.0	4.3	
1-2	.0	11.9	.0	.0	.0	• 0	11.9		.0	11.2		.0	.0	.0	12.4	
3-4	.0	.0	.0	.0	.0	•0	.0		.0	1.0		.0	.0	.0	1.0	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	•0	.0		.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	•0	.0		.0	. 0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	•0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	•0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	. C		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
TOT PCT	4.5	15.5	1.0	.0	.0	.0	21.0		2.1	14.3		.0	.0	.0	17.6	
101 -01	7.2	13.3		••		••	21.0						.,			
												NW				TOTAL
HGT	1-3	4-10	11-21	27-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	1.0	.0	.0	.0	.0	.0	1.0		1.0	2.4		.0	.0	.0	3.3	
1-2	.0	3.6	.7	.0	.0	.0	4.3		.0	1.0		.0	.0	.0	1.0	
3-4	.0	.0	1.0	.0	.0	.0	1.0		.0	2.1		.0	.0	.0	2.1	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	. 0		.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	. 0			.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	. 0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
23-25	.0	.0	.0	.0	•0	.0	.0		.0			.0	.0	.0	.0	
			.0						.0					.0		
26-32 33-40	.0	.0	.0	.0	.0	•0	.0		.0			.0	.0	.0	.0	
	.0			.0	.0	•0	.0		.0			.0		.0		
41-48	.0	.0	.0			.0	.0		.0				.0		.0	
49-60	.0	.0	.0	.0	.0	.0	.0					.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0					.0	.0	.0	.0	
87+	.0	.0	0	.0	.0	.0	.0		1.0	5.5			.0	.0	.0	83.8
TUT PCT	1.0	3.5	1.7	.0	.0	.0	6.2		1.0		.0	.0	.0	.0	6.4	03.0

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)			
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT	
<1	24.8	14.3	1.0	.0	.0	.0	40.0	903	
1-2		36.1	2.9	.0	.0	.0	41.0		
3-4	.0	4.8	3.8	.0	.0	.0	8.6		
					.0	.0	3.8		
5-6	.0	1.0	2.9	.0					
7	.0	.0	2.9	.0	.0	.0	2.9		
8-9	.0	.0	.0	.0	.0	.0	.0		
10-11	.0	.0	.0	1.0	.0	.0	1.0		
12	.0	.0	.0	.0	1.9	.0	1.9		
13-16	.0	.0	1.0	.0	.0	.0	1.0		
17-19	.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		
***	.0	.0	. 0					105	
TOT PCT	24.8	58.1	14.3	1.0	1.9	.0	100.0	.03	

PERIO	D: (0)	ER-ALL) 196	2-1969					TABLE	19											
					PERCENI	FRE	QUENCY OF	WAV	E HEIG	HT (F	T) VS	WAVE P	ERIDO	SECON	25)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	16.0	27.4	4.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	52	2
6-7	.9	2.8	5.7	5.7	.9	.0	• 0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	17	4
8-9	.0	4.7	1.9	.0	.0	.0	• 0	.0	.0	. 9	.9	.0	.0	.0	.0	.0		.0	.0	9	6
10-11	.0	. 9	.0	.0	1.9	1.9	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	7	10
12-13	.0	.0	.0	. 9	.0	.0	• 0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	2	13
>13	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	17.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	. 0
TOTAL	37	38	13	8	3	2	0	0	0	1	4	0	0	0	0	0	0	0	0	105	3
PCT	34.9	35.8	12.3	7.5	2.8	1.9	•0	.0	.0	.9	3.8	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1 AREA 0021 BRODME 16.55 121.56 PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	DTHER FRZM PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		SIG WEA
N	4.0	4.0	.0	.0	.0	.0	.0	8.1	3.0	.0	.0	.0	12.1	.0	76.8
NE	. 9	.9	.0	.0	.0		.0	1.8	.4	.0	1.6	.0	4.4	.0	91.6
E	1.8	.7	.0	.0	.0		.0	2.5	. 5	.5	3.7	.0	1.8	.0	91.3
St	1.4	1.0	.0	.0	.0	.0	.0	2.4	.5	1.4	3.4	.0	2.0	.0	90.6
S	.0	2.3	.0	.0	.0		.0	2.3	.0	.0	1.7	.0	.6		95.4
SW	3.2	.0	.0	.0	.0	.0	.0	3.2	.0	.0	10.5	.0	1.6	.0	84.7
W	2.8	5.6	.0	.0	.0	.0	.0	8.5	.0	.0	2.8	.0	5.6	.0	83.1
NH	2.8	5.6	.0	.0	.0	.0	.0	8.5	.0	.0	.0	.0	.0	.0	91.5
VAR	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0		.0	.0	2.6	.0	.0	.0	5.1	.0	92.3
TOT PCT	1.5	1.3	.0	.0	•0	.0	.0	2.8	.6	.6	3.3	.0	2.5	.0	90.4

TABLE 2

DERCENT	ERECHENCY	DF	WEATHER	DCCURRENCE	RY HOUR

			P	RECIPI	TATION	TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00803 06809 12815 18821	2.0 .7 1.8 1.3	1.6 1.4 2.2	.0	.0	.0	.0	.0	3.6 2.2 4.0 1.3	.8 .0 .0	.4	4.0 2.9 3.5 2.6	.0	3.6 3.6 1.3	.0	88.1 91.4 90.3 92.7
TOT PCT	1.6	1.4	.0	.0	.0	.0	.0	3.0	.5	.6	3.4	.0	2.3	.0	90.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	DTS)								HOUR	(GMT)			
MND DIE	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	1.6	21
N	.9	1.9	.6	.0	.0	.0		3.4	6.0	1.6	1.5	3.2	4.8	4.9	4.7	.0	5.2
NE	. 5	3.6	3.6	. 1	.0	.0		7.8	10.6	8.4	6.9	3.2	12.7	10.1	7.4	.0	7.3
E	2.5	13.0	10.0			.0		27.0	10.7	28.3	35.9	25.5	27.7	24.3	22.3	28.2	20.8
SE	2.6	15.7	9.0	2.4	.0	.0		30.6	10.5	37.6	33.4	31.9	25.9	21.1	31.8	22.7	37.5
S	1.6	8.0	2.5			.0		12.2	7.7	9.7	10.9	14.4	9.6	11.8	12.2	17.7	15.3
SW	1.8	5.6	1.3			.0		8.7	6.6	6.4	4.0	3.2	9.0	16.2	11.5	13.6	3.9
W	.6	1.6	• 1			.0		2.4	7.0	1.2	. 5	5.9	3.0	2.9	. 7	6.4	1.1
NW	. 3	2.0	.2	.0		.0		2.4	6.8	.0	1.0	5.4	2.4	2.5	4.1	2.3	4.5
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.5			-				5.5	.0	6.9	5.0	6.4	4.8	5.2	5.4	9.1	2.2
TOT UBS	119	374	206	29	0	0	728		9.0	145	101	47	83	134	74	55	8.9
TOT PCT	16 3		28.3			0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TUTAL DBS	PCT FREQ	MEAN SPD	00	HDU- 06 09	12 15	18 21
N NE	2.0	1.3	1.2	.0	.0		3.4	6.6	1.5	9.2	4.8	3.8
F	6.7	15.4	4.5	. 4	.0		27.0	10.7	31.8	26.9	23.6	23.6
SE	10.0	14.9	5.4	.3	.0		30.6	10.5	35.9	28.1	24.9	31.9
S	5.9	5.6	. 8	.0	.0		12.2	7.7	10.2	11.3	11.9	16.8
5 W	4.9	3.5	. 1	.0	.0		8.7	6.6	5.4	6.9	14.5	7.6
W	1.6	. 7	.0	.1	.0		2.4	7.0	.9	4.0	2.8	3.1
NW	1.4	. 8	.2	.0	.0		2.4	6.8	.4	3.8	3.1	3.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.5						5.5	• 0	0.1	5.4	5.3	4.9
TOT DAS	289	344	39	6	0	728		9.0	246	130	208	144
TOT DOT	90 7	47.3			- 0		100.0		100.0	100 0	100.0	100.0

PERIOD:	(PRIMARY)	1922-1969
	(TIVER-ALL)	1887-1969

AREA 0021 BROUME 16.55 121.5E

PERCENTAGE	FREDUENCY D	F WIND SPEED	BY HOUR	COMT

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DBS
00603	6.1	8.5	47.2	33.3	4.9	.0	.0	9.8	100.0	246
90300	5.4	10.0	55.4	25.4	3.8	.0	.0	8.7	100.0	130
12615	5.3	11.1	56.3	26.0	1.4	.0	.0	8.2	100.0	208
18621	4.9	15.3	47.9	25.7	6.3	.0	.0	9.0	100.0	144
TOT	40	79	374	206	29	0	0	9.0		728
PCT	5.5	10.9	51.4	28.3	4.0	.0	.0		100.0	

TABLE 4

TABLE 6

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION							PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH)4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION												
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	CLDUD CDVER		000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH C5/B ANY HGT	TOTAL DBS
N	1.2	.0	.4	.0		1.8		.0	.0	.0	. 4	.0	.0	.0	.0	.0	.0	1.2	
NE	1.2	. 1	1.1	. 1		3.7		.0	.0	.0	.1	.6	.0	.0	.0	.0	.0	1.8	
E	23.4	. 9	.0	1.2		. 8		.0	.0	. 4	.0	.4	.5	.0	.0	.0	.0	24.3	
SF	20.6	2.9	2.4	1.1		1.6		.0	.0	. 1	.5	1.5	.0	.0	. 5	.0	.0	24.5	
S	11.1	. 9	1.5	.4		1.4		.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	12.8	
SW	10.2	. 1	1.0	. 1		. 8		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5	11.0	
W	4.1	.0	.9	. 5		2.0		.0	.0	.0	.0	.0	. 5	.0	.0	.0	. 9	4.1	
NW	3.2	.0	. 1	.0		. 8	16.	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 1	3.2	
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	7.3	1.0	1.0	.0		1.2		.0	.0	.0	.0	.0	. 5	.0	.0	.0	.0	8.8	
TUT DBS	169	12	17	7	205	1.3		D	0	1	2	5	5	0	1	0	3	188	205
TOT PCT	82.4	5.9	8.3	3.4	100.0			.0	.0	. 5	1.0	2.4	2.4	.0	. 5	.0	1.5	91.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS DECURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM	1)			
	CEIL	NG . 01	R • UR	· DR	= OR	= OR	= DR	• OR	. DR
	(FEF	7) >10	>5	>2	>1	>1/2	>1/4	>50YD	>0
,	OR >6	500 1.	5 1.5	1.5	1.5	1.5	1.5	1.5	1.5
	OR >50	000 2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	OR >3	500 2.0	0.5	2.0	2.0	2.0	2.0	2.0	2.0
	OR >20	000 3.0	9 4.4	4.4	4.4	4.4	4.4	4.4	4.4
	OR >10	000 5.	6.4	6.4	6.4	6.4	6.4	6.4	6.4
1	DR >60	00 6.	7.4	7.4	7.4	7.4	7.4	7.4	7.4
,	OR >30	00 6.	9 7.8	7.8	7.8	7.8	7.8	7.8	7.8
	DR >1	50 6.	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	OR > (0.0	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	TO:	TAL 14	4 16	16	16	16	16	16	16

TOTAL NUMBER OF OBS: 204 PCT FREQ NH 45/81 92.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085C0 DBS 58.1 17.2 7.4 2.3 5.6 2.3 2.3 1.9 2.8 .0 215

PERIFO:	(PRIMARY)	1922-1969
		1007 1010

T	Δ	R	LF	8

AREA 0021 BRODME 16.55 121.5E

		P	FRCENT	PREC	OF WIN	D DIRE	TH VAR	VS DCC	ALUES	E OR N	IBILI	URRENC	E OF
SBY NM)		N	NE	ε	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2	NO PCP	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT *	.0	• 0	. c	• 0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<2	NO PCP	. 4	. 3	. 5	.6	. 1	. 1	. 1	.0	.0	. 3	2.5	
	TOT X	. 4	. 3	. 5	.6	. 1	• 1	. 1	.0	.0	. 3	2.5	
	PCP	.0	• 1	. 2	. 1	.0	.0	.0	.0	.0	.0	. 4	
<5	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 1	. 1	
	TOT %	• 0	• 1	. 2	. 1	.0	.0	.0	.0	.0	. 1	.6	
	PCP	. 3	. 1	.3	.0	.3	. 1	. 2	. 2	.0	.0	2.1	
<10	NO PCP	1.8	5.7	16.3	20.2	7.7	5.1	.6	1.2	.0	2.6	61.1	
	TOT %	2 . 1	5.8	16.6	20.8	7.9	5.2	. 8	1.4	.0	2.6	63.2	
	PCP	.0	.0	.1		.0	. 1	.0	.0	.0	.0	. 3	
0+	NO PCP	.9	1 . 6	9.3	9.2	4.2	3.1	1.6	1.1	.0	2.4	33.4	
	TOT %	. 9	1.6	9.4	9.3	4.2	3.3	1.6	1.1	.0	2.4	33.7	
	TOT OBS												716
	TOT PCT	3.4	7.9	26.7	30.8	12.2	8.6	2.5	2.5	.0	5.4	100.0	

TABLE 9

				PERCEN	T FREQ WITH V	ARYING	VALUE	S OF V	12181F	ND SPE	ED		
VSRY (NM)	SPD	N	NE	E	SE	5	5 W	*	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	. 3	•0	. 1	. 1	.0	.0	.0	.0	.0	.3	.7	
142	4-10	. 1	. 2	. 1	.6	. 1	. 1	. 1	.0	.0		1.4	
	11-21	.0	• 1	. 3	.0	.0	.0	.0	.0	.0		. 4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	. 4	. 3	. 5	.6	.1	. 1	. 1	.0	.0	.3	2.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
245	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	. 1	. 2	. 1	.0	.0	.0	.0	.0		. 4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 1	. 2	. 1	.0	.0	.0	.0	.0	.1	.6	
	0-3	.5	. 3	1.5	2.4	1.2	1.3	. 3	. 2	.0	2.6	10.4	
5<10	4-10	1.1	2.3	9.7	10.3	5.3	3.0	. 3	1.0	.0		33.0	
	11-21	. 5	3.1	5.4	6.4	1.4	.9	.0	. 2	.0		17.9	
	22+	.0	.1	. 3	1.6	.0	.0	. 1	.0	.0		2.1	
	TOT %	2.1	5.8	16.8	20.8	7.9	5.2	. 8	1.4	.0	2.6	63.4	
	0-3	. 1	.2	1.0	. 1	.4	.5	.3	. 1	.0	2.4	5.1	
10+	4-10	. 7	1.1	3.2	4.9	2.7	2.4	1.1	1.0	.0		17.1	
	11-21	.1	. 3	4.0	3.4	1.1	. 3	.1	.0	.0		9.4	
	22+	.0	.0	1.1	. 8	.0	.0	.0	.0	.0		1.9	
	TOT %	.9	1.6	9.3	9.2	4.2	3.3	1.6	1.1	.0	2.4	33.6	
1	OT DAS												721
T	OT PCT	1.4	7.8	26. R	30 B	12.2	8.6	2.5	2.5	.0	5.4	100.0	

MAY

PERIOD:	(PRIMARY)	1922-1969
	I MUER - ALL I	1007 1040

TABLE 10

AREA 0021 BRODME 16.55 121.5E) AND

PERCENT	FREQUENCY	OF	CEILING	HEIGHTS	(FEET, NH	>4/81	ANI
	0000		HEE DE N	U /5/8 D	V HOUR		

HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	.0	1.9	3.6	.0	.0	.0	.0	.0	5.7	94.3	53
05609	.0	.0	2.1	2.1	.0	.0	.0	.0	.0	.0	4.2	95.9	48
12615	.0	.0	.0	.0	3.6	1.6	.0	.0	.0	3.6	8.9	91.1	56
18821	.0	.0	•0	.0	1.8	7.3	.0	1.8	.0	1.8	12.7	87.3	55
TOT	0	0	1	2	2.4	2.4	0	.5	0	1.4	17	195	212

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR		
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL	
00803	.0	.0	3.5	• 4	70.2	25.9	255	60300	.0	.0	2.0	3.9	94.1	51	
90360	.0	•0	3.6	.0	56.1	40.3	139	06609	.0	2.1	4.3	.0	95.7	47	
12615	.0	.0	1.3	.9	67.4	30.4	227	12815	.0	.0	.0	7.5	92.5	53	
18621	.0	.0	.7	.7	59.2	39.5	152	18621	.0	.0	1.9	13.2	84.9	53	
TOT	.0	.0	2.3	.5	500	251 32.5	773	TOT	.0	.5	2.0	13	91.7	204	

	PERC	ENT FR	EQUENC	Y OF R	ELATIVE	HUMI	DITY BY	Y TEMP		
									TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	085	FREG
90/94	.0	.0	.0	. 2	.0	.0	.0	.0	1	. 2
85/89	.0	. 2	1.2	2.5	2.7	.6	.4	.0	39	7.6
80/84	.0	. 6	3.7	7.5	19.6	16.7	9.4	2.2	304	59.6
75/79	.0	.4	3.1	7.6	6.7	6.1	2.4	1.8	143	28.0
70/74	.0	.0	. 8	1.2	1.2	. 4	.2	. 4	21	4.1
65/69	.0	.0	.0	. 2	.0	. 2	.0	.0	2	. 4
TOTAL	0	6	45	98	154	122	63	22	510	100.0
PCT	.0	1.2	8.8	19.2	30.2	23,9	12.4	4.3		

TABLE 14

	PERC	ENT FR	EQUENC	Y DF W	IND DIE	RECTION	N BY T	EMP	
N	NE	E	SE	S	S .	×	NW	VAR	CALM
.0	.0	.0	.0	.1		.0	.0	.0	.0
• 1	.0	2.4	1.7	. 4	.6	. 3	. 3	.0	1.0
2.3	6.8	15.1	15.6	6.4	7.3	1.2	1.7	.0	3.1
. 8	1.5	7.5	11.5	2.9	1.0	. 3	. 5	.0	2.2
. 4		. 9	2.5	. 1	.0	.0	. 1	.0	.0
•0	.0	.0	.4	.0	.0	.0	.0	.0	.0
3.6	9.2	25.9	31.8	10.0	8.9	1.8	2.5	.0	6.3

TAPLE 15

	ME ANS,	XTREMES	AND	PERCENT	ILES	OF	TEMP	(DE	; F)	BY	HOUR
UR	MAX	99%	95%	50%	5%		1 %	MIN	MEAN		TOTAL

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00803	89	86	85	81	73	70	68	80.0	08 S 2 4 8
90330	90	89	88	82	76	71	69	81.8	130
12615	87	86	85	80	75	74	73	80.3	219
18821	84	83	83	79	72	69	68	78.7	141
TOT	90	87	85	80	74	70	68	80.2	738

TABLE 16

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	30.9	31.5	20.4	13.3	3.9	56	181
12615	.0	26.3	27.6	27.6	14.1	4.5	58	156
18621	.0	25.0	27.9	27.9	10.6	8.7	57	104

PERIOD: (PRIMARY) 1922-1969 (QVER-ALL) 1887-1969

TABLE 17

AREA 0021 BRDDME 16.55 121.5E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS	AIR-	SEA	TEMPE	RATURE	UIFF	EKENCE	CDEG F	1		
AIR-SEA	65	69	73	77	81	85	89	TOT	W	WD
TMP DIF	68	72	76	80	84	88	92		FOG	FDG
9/10	.0	.0	.0	.0	.0	. 2	.0	1	.0	.2
7/8	.0	.0	.0	.0	. 6	. 2	.0	4	.0	.8
6	.0	.0	.0	. 8	. 8	.0	. 4	10	.0	2.1
5	.0	.0	. 2	. 4	. 4	. 2	. 2	7	. 2	1.3
4	.0	.0	. 4	2.3	1.0	. 8	. 4	24	.0	5.0
3	.0	.0	. 2	1.7	1.3	. 8	.0	19	. 2	3.8
2	.0	.0	1.9	1.3	2.7	1.5	.0	35	. 8	6.5
1	.0	. 2	. 2	1.3	6.5	2.5	.0	51	1.3	9.4
1 0 -1	.0	.6	.4	5.0	9.6	2.1	.0	85	1.9	15.9
-1	.0	. 6	.6	3.1	6.3	. 8	.0	55	. 4	11.1
-2	.0	. 2	1.3	4.0	8.1	. 2	.0	66	. 4	13.4
-3	.0	.0	1.0	4.8	2.5	.0	.0	40	.0	8.4
-4	.0	.0	1.5	4.6	2.1	.0	.0	39	. 2	7.9
-5	.0	.0	1.0	1.5	.0	.0	.0	12	.0	2.5
-6	. 2	. 2	2.1	.6	.0	.0	.0	15	.0	3.1
-7/-8	.0	. 2	. 2	1.3	.0	.0	.0	8	.0	1.7
-9/-10	.0	.6	.6	.2	.0	.0	.0	7	.0	1.5
-11/-13	.0	. 2	.0	.0	.0	.0	.0	1	.0	. 2
TOTAL	1		56		201		5		26	453
		14		157		45		479	-	
PCT	. 2	2.9	11.7	32.8	42.0	9.4	1.0	100.0	5.4	94.6

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) NE 22-333 34-47 22-33 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 1-3 11-21 34-47 1-3 11-21 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 FCT 1-3 1-3 34-47

									MAY							
PERIOD:	COVE	K-ALL)	1963-1	969				TABLE	16 (CONT	()			AREA		BROOME 55 121	. 5E
				9.0	T 5050				AND DIRE		VERSUE	W	HTC (CT)			
					FREU	Dr WIND	SPEED	(K15)	AND DIRE	CITUN	VEN 303	-	mis (FI)			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.6	1.5	.0	.0	.0	•0	2.1		1.3	1.1			.0	.0	2.4	
1-2	.6	.9	.0	.0	.0	.0	1.5		.2	1.9			.0	.0	3.0	
3-4	.0	2.4	2.6	.0	.0	.0	4.9		.0				.0	.0	.4	
5-6	.0	.0	.6	.0	.0	.0	.6		.0	. (.0	.0	.0	
7	.0	.0	. 9	.0	.0	.0	.9		.0	. (.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	. 0			.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	• 0	.0		.0	. (. 0		.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0		.0	. (.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	. 9			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	• 0	.0		.0	. 9			.0	.0	.0	
87+	.0	.0	.0	.0	.0	• 0	.0		.0	3.2			.0	.0	.0	
TOT PCT	1.3	4.7	4.1	.0	•0	.0	10.0		1.5	3.6	1.1	.0	.0	.0	5.8	
				w								NW				тот
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10			34-47	48+	PCT	PC.
<1	. 5	1.7	.0	.0	• 0	.0	2.4		.0	1.			.0	.0	1.7	
1-2	.0	. 6	.0	.0	.0	.0	.6		.0				.0	.0	.9	
3-4	.0	. 9	.6	.0	.0	.0	1.5		.0	. (.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
TOT PCT	.6	3.2	.6	.0	.0	.0	4.5		.0	2.0	. 0	.0	.0	.0	2.6	93

		WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нс	T	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1		10.3	12.0	.0	.0	.0	.0	22.2	003
1-		1.7	22.2	3.4	.0	.0	.0	27.4	
3-		.0	9.4	9.4	1.7	.0	.0	20.5	
5-		.0	.0	14.5	1.7		.0	16.2	
7		.0	.0	6.0	3.4		.0	9.4	
8-		.0	.0	2.6	1.7		.0	4.3	
10-		.0	.0	.0	.0		.0	.0	
12		.0	.0	.0	.0	.0	.0	.0	
13-		.0	.0	.0	.0	.0	.0	.0	
17-		.0	.0	.0	.0	.0	.0	.0	
20-				.0		.0	.0		
		• 0	.0		.0			.0	
23-		.0	.0	.0	.0	.0	.0	.0	
26-		.0	.0	.0	.0	.0	.0	.0	
33-		.0	.0	.0	.0	.0	.0	.0	
41-		.0	.0	.0	.0	.0	.0	.0	
49-		.0	.0	.0	.0	.0	.0	.0	
61-		.0	.0	.0	.0		.0	.0	
71-	86	.0	.0	.0	.0	.0	.0	.0	
8	7+	.0	.0	.0	.0	.0	.0	.0	
									117
TOT	PC1	12.0	43.6	35.9	8.5	.0	.0	100.0	

PERIO	D: (DV	ER-ALL) 194	5-1969	•				T	ABLE	19											
					PERCENT	FRE	DUFNCY	DF F	NAVE	HFI	SHT (F	r) vs	WAVE P	ERIDO	(SECON	051						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	,	12 1	3-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	8.5	19.5	10.2	11.9	3.4	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	63	3
6-7	.0	2.5	9.3	5.1	3.4	. 8	.0		. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	4
8-9	.0	.0	. 8	.0	5.1	.0	. 8		.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	9
10-11	.0	.0	1.7	4.2	.0	.0	• 0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
12-13	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0		. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
INDET	8.5	.0	.0	.0	. 8	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	11	1
TOTAL	20	26	26	25	15	1	1		1	3	0	0	0	0	0	0	0	0	0	0	118	4
PCT	16.9	22.0	22.0	21.2	12.7	. 8	. 8		. 8	2.5	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1923-1969 (DVER-ALL) 1900-1969

TABLE 1

AREA 0021 BROOME 16.75 121.2E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	5.8	.0	.0	.0	94.2
NE	5.2	1.0	-0	.0	.0	.0	.0	7.2	.0	.0	5.1	.0	.0	.0	87.7
E	. 7	1.0	.7	.0	.0	.0	.0	2.3	.0	.0	2.0	.0	.0	.0	95.8
SE	2.1	.0	.0	.0	.0		.0	2.1	.0	.0	. 3	.0	. 5	.0	97.1
S	3.2	.0	.0	.0	• 0		.0	3.2	.0	.0	.0	.0	1.6	.0	95.2
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	11.8	.0	.0	.0	88.2
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	20.4	.0	.0	.0	79.6
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	6.9	.0	.0	.0	93.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.8	.4	.2	.0	•0	.0	.0	2.3	.0	.0	2.7	.0	.4	.0	94.6

	FRESULTANOV	0.5	HEATHED	DECLIBRENCE	DV	HOUR

						LICELIA	1								
			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMJKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00£03 06£09 12£15 18£21	1.4 .9 1.2 4.9	1.0 .0 .0	.0	.0	.0	.0	.0	2.4 .9 1.7 4.9	.0	.0	3.4 2.6 1.7 1.9	.0	.6	.0	93.7 95.7 95.9 93.2
TOT PCT TOT OBS:	1.8	.3	•2	•0	•0	.0	.0	2.3	.0	.0	2.5	.0	.5	.0	94.6

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	IN SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3				34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21
N	.3	2.1	.9	.0	.0	.0		3.2	8.6	.7	2.4	2.7	5.0	5.6	4.2	6.9	.5
NE	. 4	5.0	3.1	. 2	.0	.0		8.6	9.9	5.7	7,9	16.2	11.0	12.5	6.7	12.5	. 8
E	. 8	12.5	12.1	1.9		.0		27.6	11.9	36.8	29.9	33.8	21.3	23.0	17.5	29.2	28.2
SE	2.3	15.5	13.5	3.2	.3	.0		34.8	11.6	40.7	38.4	26.4	28.7	30.9	40.0	29.2	37.1
5	1.6	6.1	3.1	.2		.0		11.0	8.8	9.3	11.9	7.4	12.7	7.8	13.3		14.5
SW	1.6	5.0	. 9			.0		7.5	6.5	1.4		3.4	15.0	9.3	7.5	2.8	11.3
W	.7	1.1	. 4			.0		2.2	5.3	1.4		2.0	2.0	2.0	5.0	.0	4.0
NW	. 1	. 9	• 3		.0	.0		1.3	7.8	. 5	.0	2.7	. 7	1.0	4.2	. 7	2.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	. 5	.0	.0	.0
CALM	3.7	• 0	• 0	• •	.0	.0		3.7	.0	3.6	1.2		2.7	7.8	1.7	5.6	
TOT OBS		271	194	31	3			2.1	10.1	110	82	37	75	102	60	36	62
	65	271				0	564		10.1								
TOT PCT	11.5	48.0	34.4	5.5	, 5	• 0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00	06 09	(GMT) 12 15	18
N	1.2	1.9	. 1	.0	.0		3.2	8.6	1.4	4.2	5.1	2.6
NE	2.5	5.3			.0		8.6	9.9	6.6	12.7	10.3	5.1
F	7.1	13.1			.0		27.6	11.9	33.9	25.4	21.0	28.6
					.0		34.8	11.6	39.7	27.9	34.3	34.2
5								8.8	10.4	10.9	9.9	14.0
SW				.0	.0			6.5		11.8	8.6	8.2
							2.2	5.3		2.0	3.1	2.6
NW					.0		1.3	7.8		1.3	2.2	1.8
AR							.0	.0	.0	.0	.0	.0
LM							3.7		2.6	3.6	5.6	3.1
DAS		259	87	13	0	564		10.1	192	112	162	98
PET	36.3	45.9	15.4	2.3	.0		100.0		100.0	100.0	100.0	100.0
	N NE SE S W W NAR L DAS	N 1.2 NE 2.5 F 7.1 SE 10.9 S 4.1 SW 1.7 NW .6 AR .0 LM 3.75	DIR 0-6 7-16 N 1.2 1.9 NE 2.5 5.3 F 7.1 13.1 SE 10.9 15.5 S 4.1 6.0 SW 4.4 3.1 W 1.7 .5 NW .6 .7 AR .0 .0 LM 3.7 DRS 205 259	DIR 0-6 7-16 17-27 N 1.2 1.9 .1 NE 2.5 5.3 .6 F 7.1 13.1 6.9 SE 10.9 15.5 6.7 S 4.1 6.0 .8 SW 4.4 3.1 .1 H 1.7 .5 .0 NW .6 .7 .0 AR .0 .0 .0 LM 3.7 DRS 205 259 87	01R 0-6 7-16 17-27 28-40 N 1.2 1.9 .1 .0 NE 2.5 5.3 .8 .0 F 7.1 13.1 6.9 .4 SE 10.9 15.5 6.7 1.8 S 4.1 6.0 .8 .1 SW 4.4 3.1 .1 .0 W 1.7 .5 .0 .0 NW .6 .7 .0 .0 NW .6 .7 .0 .0 LM 3.7 DRS 205 259 87 13	DIR 0-6 7-16 17-27 28-40 41+ N 1.2 1.9 .1 .0 .0 NE 2.5 5.3 .8 .0 .0 F 7.1 13.1 6.9 .4 .0 SE 10.9 15.5 6.7 1.8 .0 S 4.1 6.0 .8 .1 .0 N 1.7 .5 .0 .0 .0 N 1.7 .5 .0 .0 .0 N 2.8 .0 .0 .0 .0 N 3.7 .0 .0 .0 .0 DM 3.7 .0 .0 .0 DM 3.7 .0	DIR 0-6 7-16 17-27 28-40 41+ TUTAL DBS N 1.2 1.9 .1 .0 .0 NE 2.5 5.3 .8 .0 .0 F 7.1 13.1 6.9 .4 .0 SE 10.9 15.5 6.7 1.8 .0 S 4.4 6.0 .8 .1 .0 NH 1.7 .5 .0 .0 .0 NH 1.7 .5 .0 .0 .0 NH .6 .7 .0 .0 .0 NH .6 .7 .0 .0 .0 NH .7 .5 .0 .0 .0 NH .7 .5 .0 .0 .0 .0 NH .7 .5 .0 .0 .0 .0 NH .7 .5 .0 .0 .0 .0 NH .7 .7 .0 .0 .0 .0 .0 .0 .0 NH .7 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	DIR 0-6 7-16 17-27 28-40 41+ TOTAL DBS PCT DBS N 1.2 1.9 .1 .0 .0 3.2 NE 2.5 5.3 .8 .0 .0 6.6 6.6 F 7.1 13.1 6.9 .4 .0 27.6 27.6 SE 10.9 15.5 6.7 1.8 .0 34.8 1.0 11.0 SW 4.4 3.1 .1 .0 .0 7.5 1.0 W 1.7 .5 .0 .0 .0 .0 2.2 AR .0 .0 .0 .0 .0 .0 1.3 AR .0 .0 .0 .0 .0 .0 3.7 DRS 205 259 87 13 0 564	DIR 0-6 7-16 17-27 28-40 41+ TOTAL PCT MEAN SPD NR 1.2 1.9 .1 .0 .0 .0 .8.6 .6 .9.9	DIR 0-6 7-16 17-27 28-40 41+ TOTAL DBS PCT MEAN DBS 00 N 1.2 1.9 .1 .0 .0 3.2 8.6 1.4 NE 2.5 5.3 .8 .0 .0 8.6 9.9 6.6 F 7.1 13.1 6.9 .4 .0 27.6 11.9 33.9 SE 10.9 15.5 6.7 1.8 .0 34.8 11.0 39.7 5 4.1 6.0 8.1 .0 11.0 8.8 10.4 SW 4.4 3.1 .1 .0 .0 7.5 6.5 3.8 W 1.7 .5 .0 .0 .0 2.2 5.3 1.3 NW .6 .7 .0 .0 .0 .0 .0 .0 LM 3.7 .0 .0 .0 .0 .0 .0 .0 <t< td=""><td>OIR 0-6 7-16 17-27 28-40 41+ TOTAL OBS PCT MEAN FREQ 00 06 03 09 N 1.2 1.9 .1 .0 .0 3.2 8.6 1.4 4.2 NE 2.5 5.3 .8 .0 .0 8.6 9.9 6.6 12.7 F 7.1 13.1 6.9 .4 .0 27.6 11.9 33.9 25.4 5E 10.9 15.5 6.7 1.8 .0 34.8 11.0 39.7 27.9 5 4.1 6.0 8.1 .0 11.0 8.8 10.4 10.9 SW 4.4 3.1 1.0 .0 7.5 6.5 3.8 11.8 W 1.7 .5 .0 .0 .0 2.2 5.3 1.3 2.0 NW .6 .7 .0 .0 .0 .0 .0 .0 .0<!--</td--><td>DIR 0-6 7-16 17-27 28-40 41+ TOTAL DBS PCT MEAN PCT PCT PCT PCT PCT PCT PCT PCT PCT PCT</td></td></t<>	OIR 0-6 7-16 17-27 28-40 41+ TOTAL OBS PCT MEAN FREQ 00 06 03 09 N 1.2 1.9 .1 .0 .0 3.2 8.6 1.4 4.2 NE 2.5 5.3 .8 .0 .0 8.6 9.9 6.6 12.7 F 7.1 13.1 6.9 .4 .0 27.6 11.9 33.9 25.4 5E 10.9 15.5 6.7 1.8 .0 34.8 11.0 39.7 27.9 5 4.1 6.0 8.1 .0 11.0 8.8 10.4 10.9 SW 4.4 3.1 1.0 .0 7.5 6.5 3.8 11.8 W 1.7 .5 .0 .0 .0 2.2 5.3 1.3 2.0 NW .6 .7 .0 .0 .0 .0 .0 .0 .0 </td <td>DIR 0-6 7-16 17-27 28-40 41+ TOTAL DBS PCT MEAN PCT PCT PCT PCT PCT PCT PCT PCT PCT PCT</td>	DIR 0-6 7-16 17-27 28-40 41+ TOTAL DBS PCT MEAN PCT

								JUNE						
PERI	D: (PRIMARY) (OVER-ALL)	1923-196 1900-196						TABLE 4				AREA	0021 BRD	DME 121.2E
				PER	CENTAGE	FREQUE	NCY DF	WIND SP	EED BY	HOUR	(GMT)			
		HOUR	CALM	1-3	4-10			(KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL		
		00603 06609 12615 18621 TOT PCT	2.6 3.6 5.6 3.1 21	6.3 5.4 11.7 7.1 44 7.8	44.8 52.7 49.4 46.9 271 48.0	37.0 35.7 30.2 34.7 194 34.4	8.3 2.7 3.1 7.1 31	.0 .0	.0000	9.9	100.0 100.0 100.0 100.0	192 112 162 98 564		

			T	ABLE 5								TA	BLE 6					
	PCT FRE			LOUD A		EIGHTHS)							CEILIN NH <5/					
NND DI	0-2	3-4	5-7	8 & DBSCD	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 79 9 9	8000+	NH <5/8 ANY HGT	
N	2.7	.5	2.3	.0		2.6	.0	.0	.0	.0	.5	1.3	.0	.0	.0	.0	3.8	
NE	8.1	2.3	3.4	1.4		3.0	.0	.0	.0	.0	1.6	. 2	.0	.0	.0	.0	13.5	
E	20.1	4.1	5.0	.7		2.0	.0	.0	.0	.0	. 7	1.4	.0	.0	.0	.0	27.9	
SE	13.7	2.3	5.0	4.7		3.2	.0	.0	. 7	. 7	2.9	. 2	. 9	. 7	. 7	1.4	17.4	
S	5.6	. 7	. 5	3.2		3.4	.0	.0	.0	. 7	.0	2.5	. 5	.0	.0	.0	5.3	
SW	2.3	. 7	. 2	.0		1.6	.0	.0	.0	.0	.0	. 2	.0	.0	.0	.0	3.1	
W	.5	.0	.7	.0		4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
NW	.9	.0	.0	.0		. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 9	
VAR	.0	.0	.0	.0		.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	7.9	.0	.0	.0		.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	
TOT OB		15	24	14	139	2.5	0	0	1	2	8	8	2	1	1	2	114	139
TOT PC		10.8	17.3	10.1	100.0		.0	.0	. 7	1.4	5.8	5.8	1.4	. 7	.7	1.4	82.0	100.0

TABLE 7

CUMULATIVE PCT FRFQ UF SIMULTANEOUS OCCURRENCE

OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CFILING	• DR	· UR	= DR	= OR	= DR	- DR	 DR 	- JR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
= DR >4500	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
■ DR >5000	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
■ DR >3500	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
■ DR >2000	9.4	10.1	10.1	10.1	10.1	10.1	10.1	10.1
■ DR >1000	12.9	14.4	14.4	15.8	15.8	15.8	15.8	15.8
■ DR >600	13.7	15.8	15.8	17.3	17.3	17.3	17.3	17.3
■ DR >300	14.4	16.5	16.5	18.0	18.0	18.0	18.0	18.0
 OR >150 	14.4	16.5	16.5	18.0	18.0	18.0	18.0	18.0
- OR > 0	14.4	16.5	16.5	18.0	18.0	18.0	18.0	18.0
TOTAL	20	22	22	25	25	25	2 8	25

TOTAL NUMBER OF DBS: 139 PCT FREQ NH <5/81 82.0

TABLE 7A
PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SC0 08S 41.8 15.6 14.2 5.0 5.0 2.8 5.0 2.8 7.8 .0 141

TABLE 8

AREA 0021 BROOME 16.75 121.2E

		**	NE				SW	W	NW	VAR	CALM	PCT	TOTAL
(SBY		N	NE	E	SE	5	3 M	•	13.71	VAR	CALM	PUI	DBS
(MM)	PCP	.0	• C	.0	.0	.0	.0	.0	.0	.0	.0	.0	003
1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11/2	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0					.0	.0	.0	.0	.0	.0	
/2<1		.0	.0	0.0	0	.0	0	.0	.0	.0	.0	.0	
1/241	TOT &	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
	101 %	• 0	• 0	.0	1 .0	• 0	.0	.0	• •	.0	.0	.0	
	PCP	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	. 4	
<2	NO PCP	• 0	.0	.0	. 2	. 2	.0	.0	.0	.0	.0	. 4	
	TOT &	.0	• 0	.0	.5	. 2	.0	.0	.0	.0	.0	.7	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
25	NO PCP	.0	.0	. 3	*	.0	.0	.0	.0	.0	.0	. 4	
	TOT %	•0	.0	.3	*	.0	.0	.0	.0	.0	.0	.4	
	PCP	.0	.6	. 6	.4	. 4	.0	.0	.0	.0	.0	2.0	
<10	NO PCP	1.4	3.8	15.8	22.4	7.0	6.2	1.4	. 7	.0	1.6	60.5	
	TOT *	1.4	4.4	16.4	22.7	7.4	6.2	1.4	.7	.0	1.6	62.5	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0+	NO PCP	1.7	4.4	10.9	11.0	3.6	1.4	. 8	. 6	.0	2.2	36.5	
	TOT %	1.7	4.4	10.9	11.0	3.6	1.4	. 8	.6	.0	2.2	36.5	
	TOT OBS												554
	TOT PCT	3.1	8.8	27.6	34.3	11.2	7.7	2.2	1.3	.0	3.8	100.0	

TABLE 9

				PERCEN	T FREQ	DF WI	VALUE	ECTION S OF V	VS WII	ND SPE	ED		
WC0.4	SPD	N	Ne			S	SW	W	NW	VAR	CALM	PCT	TOTAL
VSBY (NM)	KTS	N	NE	E	SE	5				VAR	CALM		DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	. 4	. 2	.0	.0	.0	.0		. 5	
	11-21	.0	.0	.0	. 2	.0	.0	.0	.0	.0		. 2	
	22+	.0	.0	.0	. 2	.0	.0	.0	.0	.0		. 2	
	TOT %	.0	.0	.0	.7	. 2	.0	.0	.0	.0	.0	. 9	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2 < 5	4-10	.0	.0	.3	*	.0	.0	.0	.0	.0		.4	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	. 3		.0	.0	.0	.0	.0	.0	. 4	
	0-3	.3	.4	. 3	2.0	.7	1.4	.5	.1	.0	1.6	7.3	
5<10	4-10	. 7	2.2	7.9	9.7	4.6	4.1	. 9	. 4	.0		30.6	
	11-21	. 4	1.5	6.8	8.3	1.8	. 6	.0	. 2	.0		19.6	
	22+	.0	.2	1.5	3.3	.2	.0	.0	.0	.0		5.2	
	TOT %	1.4	4.4	16.5	23.2	7.3	6.1	1.4	. 7	.0	1.6	62.6	
	0-3	.0	.0	.5	.4	.8	. 2	.2	.0	.0	2.1	4.3	
10+	4-10	1.4	2.8	4.3	5.3	1.3	. 9	. 2	. 4	.0		16.5	
	11-21	. 3	1.6	5.4	5.1	1.4	. 3	. 4	. 1	.0		14.6	
	22+	.0	.0	. 7	*	.0	.0	.0	.0	.0		.7	
	TOT %	1.6	4.3	10.9	10.8	3.6	1.4	. 8	.6	.0	2.1	36.1	
1	OT DAS												562
1	OT PCT	3.1	8.7	27.7	34.8	11.0	7.6	2.2	1.3	.0	3.7	100.0	

JUNE

PERIOD:	(PRIMARY)	1923-1969 1900-1969

TABLE 10

AREA 0021 BROOME 16.75 121.25

PERCENT	FREQUENCY					>4/81	AND
	DCCUR	REN(CE OF N	4 <5/8 B	HOUR		

HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
F0300	.0	.0	2.8	.0	2.8	8.3	2.8	.0	.0	.0	16.7	83.3	36
00300	.0	.0	•0	2.7	5.4	8.1	.0	2.7	2.7	2.7	24.3	75.7	37
12815	.0	.0	•0	.0	9.4	.0	.0	.0	.0	.0	9.4	90.6	32
18821	.0	.0	•0	2.9	5.7	5.7	2.9	.0	.0	2.9	20.0	80.0	35
TOT	.0	.0	.7	1.4	5.7	5.7	1.4	.7	.7	1.4	25 17.9	115 82.1	140

TABLE 11

TABLE 12

								CUMULA	TIVE PCT	FREQ	OF RAN	GES OF	VSBY (NM)	AND/DR
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR			CEILIN	G HGT	(FEET,	NH >4/8), BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.0	• 9	.0	64.2	34.9	212	60300	.0	2.8	2.8	13.9	83.3	36
06609	.0	•0	.9	•0	58.6	40.5	116	06809	.0	.0	2.7	21.5	75.7	37
12815	.0	.0	1.2	1.2	69.4	28.3	173	12615	.0	.0	3.2	6.5	90.3	31
18621	.0	•0	1.0	.0	59.0	40.0	105	18621	.0	.0	5.7	14.3	80.0	35
TOT	0	0	6	2	386	212	606	TOT	0	. 7	3.6	20	114	139

T	Δ	P	L	E	1	1

TABLE 14

					A	,									IADL	E 14				
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP										PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTION	BY TE	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	Ε	SE	S	SW	W	NW	VΔR	CALM
85/89	.0	.0	.0	.0	.2	. 4	.0	.0	3	.7	.0	.4	. 2	.0	.0	.0	.0	.0	.0	.0
80/84	.0	. 2	1.3	5.0	5.4	4.8	2.2	. 4	89	19.4	1.4	2.8	6.8	4.3	1.6	. 5	. 2	. 4	.0	1.3
75/79	.0	1.1	5.4	13.7	11.8	14.2	5.2	1.3	242	52.7	1.9	4.0	13.2	18.2	7.4	4.4	1.6	. 7	.0	1.3
70/74	.0	.2	2.6	4.4	5.7	3.7	2.2	2.2	96	20.9	. 2	1.1	6.0	7.7	2.2	2.3	.6	. 3	.0	. 4
65/69	.0	.0	1.1	. 9	2.4	1.1	.7	.0	28	6.1	.0	. 1	2.0	3.5	. 5	.0	.0	.0	.0	.0
60/64	.0	.0	.0	.0	.0	. 2	.0	.0	1	.2	.0	.0	.0	. 2	. 0	.0	.0	.0	.0	.0
TOTAL	U	7	48	110	117	112	47	18	459	100.0						-				
PCT	.0	1.5	10.5	24.0	25.5	24.4	10.2	3.9			3.5	8.5	28.3	33.9	11.7	7.2	2.5	1.5	.0	3.1

TAPLE 15

TABLE 16

	MEANS,	EXTREMES	AND	PERCEN	TILES	OF TEMP	(DE	G F) B	Y HOUR
HEUR EGMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00603	90	88	82	76	68	65	64	76.3	202
06609	91	86	84	79	72	66	66	78.5	113
12615	86	84	82	77	71	67	67	77.0	169
18621	82	81	50	76	69	65	65	75.6	104
TOT	91	86	83	77	69	66	64	76.8	588

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	1
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	35.7	28.1	26.3	7.6	2.3	55	171
90300	.0	34.7	29.5	27.4	5.3	3.2	54	95
12615	.0	40.0	20.7	20.0	15.0	4.3	56	140
18621	.0	29.1	24.4	29.1	11.6	5.8	58	8.5
TOT	0	175	126	124	49	18	56	492

PERIOD: (PRIMARY) 1923-1969 (OVER-ALL) 1900-1969

TABLE 17

AREA 0021 BROOME 16.75 121.2E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

	200		-						
AIR-SEA	65	69	73	77	81	85	TOT	W	WD
TMP DIF	68	72	76	80	84	88		FOG	FUG
14/16	.0	. 0	.0	.0	.3	.0	1	.0	. 3
9/10	.0	.0	.0	.3	.0	.0	1	.0	. 3
6	.0	.0	.3	.0	.0	.6	3 9	.0	. 8
5	.0	.0	.6	1.1	.6	.3	9	.0	2.5
	.0	. 3	. 3	1.7	. 8	.6	13	.0	3.7
3	.0	. 3	.6	2.0	1.1	.0	14	.0	4.0
2	.0	.0	1.7	2.3	1.7	.0	20	.3	5.4
1	.0	. 3	4.0	5.9	3.7	.0	49	1.1	12.7
0	.0	. 8	2.3	9.0	1.4	.3	49	. 3	13.6
4 3 2 1 0	. 3	1.1	5.9	4.8	. 8	.0	46	2.0	11.0
-2	.0	. 3	4.8	5.1	1.1	. 6	42	.6	11.3
-3	.0	1.7	4.2	5.6	2.0	.0	48	.0	13.6
-4	. 3	. 8	3.7	2.3	. 3	.0	26	.0	7.3
-5	.3	. 6	1.7	.0	. 3	.0	10	.0	2.8
-6	.0	. 6	1.1	. 3	.0	.0	7	.0	2.0
-7/-8	. 8	1.1	.6	. 8	.0	.0	12	.0	3.4
-9/-10	.6	.0	.3	.0	.0	.0	3	.0	. 8
-11/-13	.0	.0	.3	.0	.0	.0	1	.0	.3
TOTAL	8		114		50			15	339
		28		146		8	354	1000	
PCT	2.3	7.9	32.2	41.2	14.1	2.3	100.0	4.2	95.8

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 27-33 HGT <1 1-2 3-4 5-6 7 9-9 10-11 12 13-16 17-19 20-2 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87-7 TUT PCT 1-3 11-21 48+ 1-3 34-47 1-3 34-47 48+ HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 61-70 71-86 87-70 PCT 11-21 .0 2.2 9.3 2.2 8.0 .0 .0 .0 .0 .0 .0

									J	UNE				4054	0021	BOOME	
PERIOD:	COVER	(-ALL)	1963-1	969				TABLE	18	CONT				AREA		75 121	26
								INDLE	10								
				PC	T FRED	OF WIND	SPEED	(KTS)	AND	DIREC	TION Y	ERSUS !	SEA HEIG	HTS (FT)			
													-				
				5							4-10	11 21	SW		48+	PCT	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	2.2	11-21	22-33	34-47		2.5	
<1	3.1	2.0	.0	.0	• 0	• 0	5.1			. 3	.0	.3	.0	.0	.0	.3	
1-2	.0	2.0	2.6	.0	• 0	• 0	4.8			.0			.0	.0	.0	.0	
3-4	.0	. 8	1.1	.0	• 0	• 0	5.0			.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.8	.0	.0	•0	. 8			.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
	.0	.0					.0			.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	. 0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.1	4.8	4.8	.0	• 0	• 0	12.6			. 3	2.2	. 3	.0	.0	.0	2.8	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0			.0	1.1	.0	.0	.0	.0	1.1	
1-2	.0	.0	2.0	.0	.0	.0	2.0			.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0			.0	.0	. 3	.0	.0	.0	. 3	
5-6	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0		.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.6	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			• 0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	• 0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	01.
TOT PCT	.0	.0	2.0	.0	• 0	.0	2.0			.0	1.1	. 3	.0	.0	.0	1.4	94.4

	MIND	SPEED	(KT5)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	10.1	9.0	.0	.0	.0	.0	19.1	003
1-2	.0.1	19.1	7.9	.0	.0	.0	27.0	
3-4		14.6	25.8	.0	. 0	.0	40.4	
5-6	• 0		9.0	1.1	.0	.0	11.2	
7	• 0	1.1			.0	.0	1.1	
	• 0	.0	1.1	.0				
8-9	.0	.0	.0	.0	.0	.0	0	
10-11	.0	.0	.0	.0	1.1	.0	1.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0			.0	
87+	.0	.0	.0	.0		.0	.0	
014	• 0	.0	.0	.0				89
TOT PCT	10.1	43.8	43.8	1.1	1.1	.0	100.0	04

PERIO	D: (DV	ER-ALL	1 195	1-196	9				TABLE	19											
					PERCENT	FRE	QUENCY D	F WA	VE HEIG	HT (F	r) VS	HAVE P	ERIDO	SECON	51						
PERIOD (SFC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	7.7	13.2	25.4	13.2	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	57	3
6-7	.0	2.2	2.2	6.6		1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	5
8-9	.0	.0	2.2	1.1	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
10-11	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
12-13	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	5.5	1.1	1.1	2.2	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	3
TOTAL	12	15	29	22	9	3	1	0	0	0	0	0	0	0	0	0	0	0	0	91	4
PCT	13.2	16.5	31.9	24.2	9.9	3.3	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1923-1969 (OVER-ALL) 1883-1969

TABLE 1

AREA 0021 BROOME 16.85 121.2E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

					EKCEN	PREUL	ENCY	T MEATHER	DCCORRENCE	DY WI	MD DIK	ECITUN			
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPM	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	.0	91.1
NE	.0	.0	1.7	.0	.0	.0	.0	1.7	• 0	3.4	3.4	.0	5.2	.0	86.2
E	1.5	.0	. 3	.0	.0	.0	.0	1.8	.0	1.3	1.3	.0	.3	.0	95.3
SE	1.1	. 5	.5	.0	.0	.0	.0	2.0	.0	1.0	1.9	.0	2.2	.0	92.9
S	. 6	.0	.0	.0	.0	.0	.0	.6	.0	1.3	1.3	.0	.6	.0	96.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	2.1	.0	3.1	.0	89.5
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	3.9	.0	7.8	.0	84.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5	6.3	.0	5.3	.0	75.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	4.5	.0	.0	.0	.0	4.5	.0	4.5	.0	.0	9.1	.0	81.8
TOT PCT TOT OBS:	.9 572	• 2	.5	.0	•0	.0	.0	1.6	.0	1.9	1.7	.0	2.3	.0	92.5

TABLE 2

					P	ERCENT	FREQUE	NCY OF WE	ATHER DCCUR	RENCE	BY HUU	R			
			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNDW	
00603 06609 12615 18821	.0 .0 2.7 .8	.0	1.1 .0 .5	.0	•0	.0	.0	1.1 .0 3.3 1.7	•0	.0 3.3 5.0	4.2 2.7 2.7 .8	.0	2.6 3.5 2.7 3.4	.0	92.1 93.8 88.0 89.1
TOT PCT	1.0	.2	.5	.0	•0	.0	.0	1.7	•0	2.0	2.8	.0	3.0	•0	90.6

TABLE 3

PERCENTAGE	FREQUENCY	DF	WIND	DIRECTION	BY	SPEED	AND	BY	HOUR

					-												
		WIT	In SPE	ED (KN	DTSI								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FREQ	SPD	00	03	06	09	12	15	18	21
N	. 4	1.5	.0	.0	.0	.0		1.9	5.2	.0	1.7	2.4	4.3	3.4	.7	1.5	. 8
NE	1.0	3.6	.7	.0	.0	.0		5.2	7.2	5 1	7.7	5.4	4.3	5.0	6.0	3.4	3.9
E	1.1	13.8	9.8	1 . 8	. 3	.0		26.8	11.6	31.9	29.5	36.3	22.5	24.5	22.0	26.5	21.9
SE	1.2	17.1	14.5	3.2		.0		36.0	12.0	42.1	37.5	39.9	31.9	30.5	31.0	38.7	38.7
S	1.0	9.7	2.7	.7	.0	.0		14.1	9.1	13.4	12.8	6.5	12.3	12.0	18.7	19.6	18.4
SW	1.3	5.0	1.0	. 8		.0		8.7	8.2	3.7	4.0	7.1	13.0	12.6	14.2	4.4	10.2
W	. 7	1.5	• 1	• 0	.0	.0		2.3	4.8	2.3	1.7	.0	5.5	3.2	.7	.0	2.3
NW	. 4	. 8	• 1	.0	.0	.0		1.3	5.3	. 5	.6	.0	3.6	1.3	.7	.0	3.9
VAR	.0	.0	• 0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5
CALM	3.8							3.8	.0	. 9	4.5	2.4	1.4	7.5	6.0	5.9	. 5
TOT OBS	56	325	175	40	2	0	608		10.1	108	88	42	69	119	67	51	64
TOT PCT	10.9	53.5	28.8	6.6	.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

		WIND	SPEED	(KNDTS)						House	R (GMT)
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						OBS	FREQ	SPD	03	09	15	21
N	1.5	.3	.0	.0	.0		1.9	5.2	.8	3.6	2.4	1.1
NE	2.6	2.4	. 2	.0	.0		5.2	7.2	6.3	4.7	5.4	3.7
€	6.6	14.0	4.6	1.3	.0		26.8	11.6	30.9	27.7	23.7	23.9
E SE	8.5	17.8	8.7	. 9	.0		36.0	12.0	40.1	34.9	30.6	38.7
S	5.0	7.6	1.4	. 1	.0		14.1	9.1	13.1	10.1	14.4	18.9
SW	4.7	3.1	. 8	.0	.0		8.7	8.2	3.8	10.8	13.2	7.6
N	1.9	. 4	.0	.0	.0		2.3	4.8	2.0	4.1	2.3	1.3
NW	1.0	.3	.0	.0	.0		1.3	5.3	.5	2.3	1.1	2.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.8						3.8	• 0	2.6	1.8	7.0	2.6
TOT DAS	217	280	97	14	0	608		10.1	196		186	115
TOT PCT	35.7	46.1	16.0	2.3	. 0		100.0			100.0		100.0

PERIOD: (PRIMARY) 1.17-1969 (OVER-ALL) 1883-1969	TABLE 4	AREA 0021 BROOME 16.85 121.2E
	PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)	
HOUR CALM	WIND SPEED (KNOTS) PCT	TOTAL

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DBS
00603	2.6	5.6	46.9	36.2	8.2	.5	.0	11.3	100.0	196
90360	1.8	8.1	55.9	28.8	5.4	.0	.0	10.1	100.0	111
12615	7.0	7.5	61.8	19.4	4.3	.0	.0	8.1	100.0	186
18621	2.6	7.8	48.7	31.3	8.7	. 9	.0		100.0	115
TOT	23	43	325	175	40	2	0	10.1	-	608
PCT	3.8	7.1	53.5	28.8	6.6	. 3	.0		100.0	

TABLE 6

Р	CT FRE			DIRFO		(EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	B BY W	HTS (F	T,NH :	4/8)	
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	MEAN CLOUD COVER	000	150 299	300 599	600	1000	2000 349 9	3500 4999	5000 6499			NH <5/8 ANY HGT	
N	.5	. 4	.0	.0		1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
NE	4.2	. 1	. 0	.0		.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	
E	26.4	1.6	1.1	.0		.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29.1	
SE	33.6	2.2	2.9	. 5		1.0	.0	.0	.0	.0	1.1	.0	. 5	.0	.0	.0	37.5	
S	13.6	1.4	1.5	.0		1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.4	
5 W	3.4	. 3	.0	.0		1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	
*	. 4	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 4	
NW	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAP	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	5.4	.0	.5	.0		.7	.0	.0	.0	.0	.0	.0	. 5	• 0	.0	.0	5.4	
TOT DBS	161	11	11	1	184	. 9	0	0	0	0	2	0	2	0	0	0	180	184
TOT PCT	87.5	6.0	6.0	.5	100.0		• 0	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	97.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

						VSBY (NM	1			
	C	EILING	- OR	• DR	. OR	= OR	- OR	- DR	= OR	. DR
	(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	- OR	>6500	.0	.0	.0	.0	.0	.0	.0	.0
	- OR	>5000	.0	.0	.0	.0	.0	.0	.0	.0
1		>3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	 OR 	>2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
1	- DR	>1000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	- OR	>600	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
- 1	- DR	>300	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
3	- OR	>150	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
3	- DR	> 0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
		TOTAL	4	4	4	4	4	4	4	4
	**	•						Mil de le		
	10	TAL NUMB	ER OF OB	5: 18	4	,	CT FREQ	NH <5/81	97.8	

TABLE 7A
PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 05:6 21:7 3.7 4.2 1.6 .0 2.1 .5 .5 .0 189

9100:	(PRIMARY)	19	23-1969											ARE	A 0021	BROO	ME
	DVER-ALL	1 11	883-1969						TA	BLE B						16.85	121.2
				PI	ERCENT									CURRENC	E OF		
						PREC	IPITAT	ION WI	TH VAR	YING V	ALUES (DF VIS	IBILI	7 4			
	VS	av		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL		
	(N			.,			36		3.4					, ,	DBS		
			PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	<1	12	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		-	TOT &	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
			PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	1/	2<1	NO PCP	.0	.0	.0	.0	. 1	. 1	.0	.0	.0	.0	. 2			
			TOT %	• 0	.0	.0	.0	. 1	. 1	.0	.0	.0	.0	. 2			
			PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	1<	2	NO PCP	. 2	. 3	.1	.8	.3	. 8	. 3	. 3	.0	.3				
		•	TOT %	. 2	.3	. 1	.8	.3	. 8	.3	. 3	.0	.3	3.3			
			PCP						_		•						
	2<		NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	21	2	TOT &	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
			101 *	• 0	•0	.0	.0	• 0	• 0	.0		.0	.0	. 0			
			PCP	.0	.1	. 5	.7	. 1	.0	.0	.0	.0	.0	1.4			
	5<	10	NO PCP	1.4	2.6	12.9	17.7	5.5	4.7	1.5	1.0	.0	1.4				
			TOT %	1.4	2.7	13.4	18.5	5.5	4.7	1.5	1.0	.0	1.4	50.2			
			PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	. 2			
	*10	+	NO PCP	.4	2.1	13.2	17.1	8.0	2.8	.5	.2	.0	1.9				
			TOT *	.4	2.1	13.2	17.1	8.0	2.8	. 5	. 2	.0	2.1	46.3			
		,	07 DBS												572		
			TOT PCT	2.0	5.1	26.7	36.4	14.0	8.3	2.2	1.4	.0	3.8	100.0	212		

TABLE 9

				PERCEN	T FRES	DF WI	ND DIR	ECTION S OF V	VS WI	ND SPE	ED			
VSBY (NM)	SPD	N	NE	E	SE	5	SW	×	NW	VAR	CALM	PCT	TOTAL	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT &	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	. 1	.1	.0	.0	.0		. 2		
	TOT %	.0	.0	.0	.0	. 1	. 1	.0	.0	.0	.0	.2		
	0-3	.0	.0	.0	.0	.0	. 1	. 2	. 3	.0	.3	.9		
1<2	4-10	. 2	. 3	. 2	. 2	.0	. 3	. 1	.0	.0		1.2		
	11-21	.0	.0	.0	. 5	.0	.0	.0	.0	.0		. 5		
	22+	.0	.0	.0	. 1	. 3	. 4	.0	.0	.0		. 9		
	TOT %	. 2	. 3	. 2	.8	. 3	. 8	, 3	.3	.0	.3	3.4		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
245	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.2	.0	.0	.0		.2		
	TOT %	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2		
	0-3	.2	.7	. 3	.7	. 2	1.1	.6	.0	.0	1.4	5.1		
5<10	4-10	1.2	1.8	7.4	7.8	3.8	3.1	. 8	. 9	.0		26.7		
	11-21	.0	. 2	5.3	7.8	1.5	. 3	. 1	- 2	.0		15.2		
	22+	.0	.0	1.2	2.4	. 2	. 2	.0	.0	.0		3.9		
	TOT %	1.4	2.6	14.3	18.6	5.6	4.6	1.5	. 9	.0	1.4	50.9		
	0-3	. 2	.3	.8	.5	.5	.0	.0	. 2	.0	2.1	4.6		
10+	4-10	. 2	1.5	6.4	8.7	5.9	1.9	.5	.0	.0		25.0		
	11-21	.0	. 3	4.8	6.6	1.2	. 8	.0	.0	.0		13.7		
	22+	.0	.0	. 9	. 9	. 2	.0	.0	.0	.0		2.1		
	TOT %	.4	2.1	12.9	16.8	7.8	2.7	.5	. 2	.0	2.1	45.3		
	OT DAS	1000		M 100 m									585	
1	TOT PCT	1.9	5.0	27.5	36.1	13.6	8.3	2.2	1.4	.0	3.8	100.0		

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PERIOD: (PRIMARY) 1923-1969 TABLE 10 PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 by HOUR HOUR 000 150 300 600 1000 2000 3500 5000 6500 8000+ TOTAL NH <5/8 TOTAL (GHT) 149 299 599 999 1999 3499 4999 6499 7999 00603 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0									JU	ILY						
OCCURRENCE OF NH <5/8 HOUR HOUR 000 150 300 600 1000 2000 3500 5000 6500 8000+ TOTAL NH <5/8 TOTAL (GHT) 149 299 599 999 1999 3499 4999 6499 7999 00603 .0 .0 .0 .0 .0 .0 2.3 .0 .0 .0 2.3 97.7 44									TABLE	10			AF			2 E
(GMT) 149 299 599 999 1999 3499 4999 6499 7999 ANY HGT DBS					PER	CENT F							>4/81 4	IND		
												8000+	TOTAL			
06609 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		00803	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0	2.3	97.7	44	
		06809	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	42	

0.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 98.0

TOT 0 0 0 0 2 C 2 0 0 0 4 183 187 PCT .0 .0 .0 .0 1.1 .6 1.1 .0 .0 .0 .0 2.1 97.9 100.0

				BLE 1							****			
			1 2	OLE I	1						TABLE	12		
		PERCENT	FREQUENCY	VSBY	(MM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.5	.0	3.1	.0	58.7	37.8	196	60300	.0	.0	.0	2.3	97.7	43
90360	. ó	.0	4.3	. 9	40.9	53.9	115	06809	.0	.0	.0	.0	100.0	42
12615	.0	.0	4.3	.0	57.0	38.7	186	12815	.0	.0	.0	2.1	97.9	48
18821	.0	.8	5.0	.0	42.5	51.7	120	18821	.0	.0	.0	3.9	96.1	51
TOT	.2	.2	25	1 .2	319	270 43.8	617	10T PCT	.0	0.0	.0	2.2	180	184

				7	ABLE 1	3									TABLE	14			
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY BY	TEMP				PER	CENT FR	EQUENC	Y DF WI	ND DIRE	CTION	BY TEMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	s	SW	*	NW V	R CALM
80/84	.0	. 2	. A	1.2	1.2		.4	.0	25	5.2	.2	. 3	1.1	2.4	.6	. 4	. 2		0 .0
75/79	.0	.4	5.0	11.8	11.0	9.7	4.6	. 8	209	43.3	.7	2.9	11.7	13.9	7.8	3.5	. 6	.6	0 1.4
70/74	.0	.2	4.1	12.2	12.5	7.7	5.4	1.7	212	43.9	1.0	2.2	12.4	17.2	4.3	2.8	1.4	.6	0 1.9
65/69	.0	.2	. 8	1.7	2.3	1.9	. 4	.2	36	7.5	.0		2.9	3.3	. 4	.1	. 2		0 .2
60/64	.0	.0	.0	. 2	.0	.0	.0	.0	1	. 2	.0	.0	.0	. 1	. 1	.0	.0	.0 .	0 .0
TOTAL	0	5	52	131	131	99	52	. 13	483	100.0									
PCT	.0	1.0	10.8	27.1	27.1	20.5	10.8	2.7			1.9	5.3	28.2	37.0	13.2	6.8	2.5	1.6	0 3.5
				TAR	LE 15										TABLE	16			
	EANS, E	XTREME	S AND	PERCEN	TILES	OF TEM	P (DEG	F) BY	HOUR			PERC	ENT FRE	QUENCY	OF REL	ATIVE H	HUMIDIT	Y BY 40.	R
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN		DTAL		HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-10	O MEAN	TOTAL
60300	90	83	80	74	67	63	63	73.9	200		00603	.0	39.4	30.5	18.8	10.0	1.	3 54	160
06609	83	82	81	76	70	65		75.8	113		90300	.0	52.7	20.4	18.3	7.5	1.		93
12815	81	80	79	76 75	69	67		74.3	192		12615	.0	30.6	27.5	23.8	12.5			160
18821	81	80	79	74	67	65		73.3	120		18621	.0	34.7	26.7	21.8	10.9		9 56	101
TOT	90	82	80	75	68	65		74.3	625		TOT	0	196	139	107	54			514

PERIOD: (PRIMARY) 1923-1969 (DVER-ALL) 1883-1969

TABLE 17

AREA 0021 BRODME 16.85 121.25

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	65	69	73	77	81	TOT	W	WD
THP DIF	68	72	76	80	84		FOG	FOG
9/10	.0	.0	.0	. 3	.0	1	.0	. 3
7/8	.0	.0	.5	. 3	.0	3	.0	. 8
	.0	.0	.3	. 8	.0	4	.0	1.1
5	.0	.0	. 5	.0	.0	2	.0	.5
4	.0	. 5	.5	1.3	. 5	11	.0	3.0
3	.0	. 6	1.3	.0	. 3	9	.0	2.4
2	.0	1.1	1.9	1.3	1.3	21	.5	5.1
6 5 4 3 2 1 0	.0	3.5	4.3	4.0	. 3	45	. 8	11.3
0	.0	2.2	7.3	3.0	.5	48	1.6	11.3
-1	. 3	3.0	5.4	4.9	.0	50	. 8	12.7
-2	. 5	2.2	8.4	4.0		58	. 3	15.4
-3	.3	3.5	6.2	2.4	.0	46	. 3	12.1
-4	.5	2.7	4.9	1.9	.0	37	.0	10.0
-5	.3	1.9	1.1	.0	.0	12	.0	3.2
-6	. 8	1.3	. 8	.0	.0	11	.0	3.0
-7/-8	1.6	1.1	. 3	.0	.0	11	.0	3.0
-9/-10	.0	. 3	.0	.0	.0	1	.0	. 3
-11/-13	.3	.0	.0	.0	.0	1	.0	. 3
TOTAL	17		162		13		16	355
		89		90		371		
PCT	4.6	24.0	43.7	24.3	3.5	100.0	4.3	95.7

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	. 8	. 8	.0	.0	.0	.0	1.6
1-2	.0	.0	.0	.0	.0	.0	.0	.0	1.8	. 8	.0	.0	.0	2.6
3-4	.0	.0	.0	.0	.0	.0	.0	.0	. 8	. 2	.0	.0	.0	1.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
DT PCT	.0	.0	.0	.0	.0	.0	.0	.8	3.8	1.2	• 0	.0	.0	5.
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PC
<1	.0	. 8	.0	.0	.0	.0	. 8	.0	2.4	.0	.0	.0	.0	2.
1-2	.0	6.2	3.2	.0	.0	.0	9.4	.8	10.2	4.0	.0	.0	.0	15.
3-4	.0	4.0	7.0	.0	.0	.0	11.0	.0	5.6	4.8	.0	.0	.0	10.
5-6	.0	.6	4.4	.0	.0	.0	5.0	.0	1.6	5.4	.0	.0	.0	7.
7	.0	.0	2.2	. 8	.0	.0	3.0	.0	.0	4.0	. 8	.0	.0	4.
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 8	. 0	.0	
10-11	.0	.0	.0	1.4	.0	.0	1.4	.0	.0	.0	1.8	.0	.0	1.
12	.0	.6	.0	. 8	.0	.0	1.4	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48			.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	:
49-60	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-96	.0	.0	.0	.0		.0	.0		.0	.0			.0	:
87+	.0	12.2	16.8	3.0	.0	.0	32.0	.0	19.8	19.2	3.4	.0	.0	42.

PERIOD:	(0)(5)			0.0					JULY				4054	0.021	BROOME	
PERTUU:	LUVE	-ALLI	1963-1	404				TAD E	18 (CD	uT1			AREA		.85 121	25
								TABLE	10 100					10	103 121	.20
				PC	T FREQ D	F WIND	SPEED	(KTS)	AND DI	RECTION	VERSUS	SEA HEIG	HTS (FT			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-	3 4-1	0 11-21	22-33	34-47	48+	PCT	
<1	.0	1.6	.0	.0	.0	.0	1.6						.0	.0	.0	
1-2	.0	4.2	2.2	.0	.0	.0	6.4						.0	.0	1.0	
3-4	.0	4.0	2.4	.0	.0	.0	6.4						.0	.0	.0	
5-6	.0	.0	.6	.8	.0	.0	1.4						.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0				0 .0		.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0					.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		•				.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
TOT PCT	.0	9.8	5.2	.8	•0	• 0	15.8				.2	.0	.0	.0	1.0	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-				34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0		• (. 0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0						. 0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0		• *				.0	.0	.0	
5-6	.0	.0	.0	.0	• 0	.0	.0		•				.0	.0	.0	
.7.	.0	.0	.0	.0	• 0	• 0	.0		• •				.0	.0	.0	
8-9	.0	.0	.0	.0	•0	.0	.0		• •				.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		:				. ?	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		:				.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		:				.0	.0	.0	
20-22	.0	.0	.0	.0	.0		.0		:				.0	.0	.0	
23-25	.0	.0	.0	.0	•0	.0	.0		:				.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0						.0	.0	.0	
						• 0	. 0									
TOT PCT	.0	.0	.0	.0	.0	.0	.0				0 .0	.0	.0	.0	.0	96.

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
					.0	•		DBS
<1	4.0	5.6	.0	.0		.0	9.6	
1-2	. 8	23.2	10.4	.0	.0	.0	34.4	
3-4	.0	14.4	14.4	.0	.0	.0	28.8	
5-6	.0	2.4	10.4	. 8	.0	.0	13.6	
7	.0	.0	6.4	1.6	.0	.0	8.0	
8-9	.0	.0	.0	. 8	.0	.0	. 8	
10-11	.0	.0	.0	3.2	.0	.0	3.2	
12	.0	. 8	.0	. 8	.0	.0	1.6	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
		• •		•				125
TOT PCT	4.8	45.4	41.6	7.2	.0	.0	100.0	

PERIO	o: (av	ER-ALL) 196	5-196	,				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEI	GHT (F	T) VS	WAVE P	ERIDO	SECON	05)						
PERIOD (SEC)	< 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
6-7	4.0	22.2	16.7	8.7	1.6	.8	4.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	70	3
8-9	.0	.0	2.4	2.4	1.6	2.4	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	8
12-13 >13	.0	.0	.8	.8	.0	. 8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
INDET	1.6	.8 31 24.6	29	.0 26 20.6	1.6	4.0		2	1.6	.0 3 2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	125	3 5

PERIOD: (PRIMARY) 1924-1971 (DVER-ALL) 1885-1971

									AUGUS	1						
:	(PRIMARY)		-1971 -1971						TABLE	1			AREA 002		DME 121.5E	
					P	ERCEN	T FREQU	ENCY D	F WEATHER	DCCURRENCE	BY WI	ND DIR	ECTION			
				P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
	NNO DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	SIG WEA
	N NE E SE S W NA R VALM	5.3	.00	5.3 1.5 .8 .0 .0 .0	.00	.0	.0	.0	5.3	.0	8.8 1.7 1.8 3.3 7.0 18.5 9.8	.0 .0 .0 .0 1.0	.0000000000	21.3 9.6 7.1 4.8 4.1 1.6 2.0 14.8 .0 21.9	.0	73.3 77.2 90.3 93.4 91.6 91.3 79.5 75.4 .0 62.5
	TOT PCT	534	.0	.4	•0	•0	•0	.0	.6	.0	5.6	.2	.0	6.4	.0	87.3

PERCENT	FREQUENCY	DF	WEATHER	DCCURRENCE	BY	HOUR

							G 1200-00000								
			p	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	.5	.0	.5	.0	.0	.0	.0	1.0 .0 .0	.0	1.6 .0 9.7 15.0	.0	.0	6.3 9.1 4.8 5.2	.0	90.6 90.9 85.5 77.9
TOT PCT	560	.0	.4	•0	•0	•0	.0	.5	.0	6.1	.2	.0	5.4	.0	86.8

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				D (KN										(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPO	00	03	06	09	12	15	18	21
N	.4	2.7	.4	.0	.0	.0		3.5	6.6	1.4	1.6	7.4	4.2	4.8	1.2	5.4	
NE	.7	4.9	.7	.0	.0	.0		6.3	6.7	5.3	6.0	13.3	3.3	6.4	7.3	10.3	1.8
F	.7	8.1	2.3	• 1	.0	.0		11.3	8.7	17.7	17.3	16.5	5.7	7.9	2.4	5.9	8.2
SE	1.9	16.3	7.6	. 5	.0	.0		26.4	9.3	36.0	40.3	22.3	27.5	14.5	22.0	21.6	20.0
\$. 8	14.3	4.3	.1	.0	.0		19.6	8.1	22.8	16.9	16.5	15.8	19.1	18.3	17.6	25.5
SW	1.9	11.5	3.8	.0	.0	.0		17.2	7.7	10.8	11.3	14.9	22.5	19.4	30.5	21.6	16.4
W.	2.0	3.6	1.4	.0	.0	.0		7.0	6.3	2.0	1.6	4.3	13.3	13.0	9.8	.0	13.5
NW	. 8	1.8	.2	.0	.0	.0		2.8	5.2	.0	1.6	. 5	5.0	5.6	3.7	2.0	5.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	• 0	.0	.0	.0	.0	.0	.0	. 0
CALM		••	•,		• •	• •		6.0	.0	4.1	3.2	4.3	1.7	9.2	4.9	15.7	5.5
TOT OBS	82	340	111	4	0	0	537	0,0	7.6	123	62	47	60	98	41	51	55
TOT PCT	15.3	63.3	20.7	.7	.0	.0	231	100.0						100.0			100.0

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS)	41+	TOTAL	PCT	MEAN	00	HOUR 06	CGMT	18
						DBS	FREQ	SPD	03	09	15	21
N	2.0	1.5	.0	.0	.0		3.5	6.6	1.5	5.6	3.8	4.5
NE	4.0	2.1	. 2	.0	.0		6.3	6.7	5.5	7.7	6.7	5.9
E	4.6	5.3	1.4	.0	.0		11.3	8.7	17.6	11.0	6.3	7.1
E SE	8.9	14.8	2.5	.0	.0		26.4	9.3	37.4	25.2	16.7	20.8
5	8.5	10.7	.3	.0	.0		19.6	8.1	8.05	16.1	18.9	21.7
SW	7.5	9.5	.1	.0	.0		17.2	7.7	10.9	19.2	22.7	18.9
W	4.5	2.6	.0	.0	.0		7.0	6.3	1.9	9.3	12.1	7.1
NW	2.1	.7	.0	.0	.0		2.8	5.2	.5	3.0	5.0	3.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	6.0						6.0	• 0	3.8	2.8	7.9	10.4
TOT DAS	258	254	24	1	0	537		7.6	185	107	139	106
TOT PCT	48.0	47.3	4.5	. 2	.0		100.0				100.0	100.0

AU	GUS	

PERIOD: (PRIMARY) 1924-1971 (DVER-ALL) 1885-1971

TABLE 4

AREA 0021 BROOME 16.45 121.5E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21		34-47	48+	MEAN	PCT FREQ	TOTAL
00803	3.8	5.9	60.5	28.6	1.1	.0	.0	8.6	100.0	185
90300	2.8	13.1	66.4	17.8	.0	.0	.0	7.4	100.0	107
12615	7.9	10.1	66.9	14.4	. 7	.0	.0	6.6	100.0	139
18621	10.4	10.4	60.4	17.9	. 9	.0	.0	7.2	100.0	106
TOT	32	50	340	111	4	0	0	7.6		537
PCT	6.0	9.3	63.3	20.7	. 7	- 0	- 0		100.0	

TABLE

.

			1.	ADLE 5								1 4						
	CT FRE			CLOUD A		(EIGHTHS)					REQUEN							
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	5.4	.0	.4	.0		.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	
NE	6.5	. 1	. 1	. 5		1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3	
E	10.6	2.9	. 4	. 5		1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5	13.9	
SE	19.6	2.0	1.9	.0		. 9	.0	.0	.0	.0	.0	. 5	.0	.0	.0	.0	23.0	
S	17.0	. 4	2.3	.0		1.1	.0	.0	.0	.0	. 5	.0	1.0	.0	.0	.0	18.1	
SW	13.9	. 1	.0	.0		. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.0	
W	3.9	.0	.0	.0		. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	
NW	2.1	.0	.0	.0		. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	7.5	1.5	.5	.0		. 9	.0	.0	.0	.0	.0	. 5	.0	.0	.0	.0	9.0	
TUT OBS	173	14	11	2	200	. 9	0	0	0	0	1	2	2	0	0	1	194	200
TOT PCT	86.5	7.0	5.5	1.0	100.0		- 0	-0	-0	.0	. 5	1.0	1.0	- 0	-0	. 5	97.0	100.0

TABLE 7

CUMULATIVE PCT FREE	OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT	(NH >4/8) AND VSBY (NM)

				VSBY (NM)			
CEILING	- DR	• DR	· DR	= DR	■ DR	- OR	 DR 	. DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
DR >6500	.5	.5	.5	.5	.5	.5	.5	,5
DR >5000	.5	. 5	.5	.5	.5	.5	.5	.5
DR >3500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
DR >2000	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
DR >1000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
DR >600	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
OR >300	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
OR >150	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
OR > 0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
TOTAL	6	6	6	6	6	6	6	6

TOTAL NUMBER UF OBS: 203 PCT FRED NH 45/81 97.0

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCO DBS 67.8 19.6 6.5 1.9 1.4 1.4 .5 .5 .5 .0 214

		5	

PERIOD: (PRIMARY) 1924-1971 (OVER-ALL) 1885-1971

TABLE 8

AREA 0021 BROOME 16.45 121.5E

PCP NO 5 TOT PCP N	PCP PCP PCP PCP	N . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 2 . 2 . 2	NE	.00.00.00.00.00.00.00.00.00.00.00.00.00	SE	.0		* 0000 0000	2 000 000 04	VAR .00.00	.00 .00 .00 .00	PCT .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	DBS
PCP NO 5 TOT PCP N	PCP PCP PCP PCP	.0	.0	.0	.0	.0	.0	.00000000000000000000000000000000000000	.00000	.0	.00.00	.0	
PCP NO 5 TOT PCP N	PCP PCP PCP	.0	.0	.0	.0	.0	.0	.00000000000000000000000000000000000000	.0	.0	.00.00	.0	
PCP NO 6 TOT	PCP X	.0	.0	.0	.0	.00.0	.0	.0	.0	.00	.0	.0	
/2<1 NO FTOT PCP PCP NO FTOT PCP PCP PCP NO FTOT PCP PCP PCP PCP PCP PCP PCP PCP PCP PC	PCP FCP PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP NO 5	PCP TX	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PCP 107 107 PCP PCP 107	PCP %	.0	.6 .6	.0	.0	.0	.0	.0	.0	.0	.0	3.4	
2<2 NO 5 TOT PCP 2<5 NO 5 TOT	PCP *	.2	.6	.3	. 9	. 4	.3	.0	. 4	.0	.4	3.4	
707 PCP PCP NO F	PCP	.2	.6										
PCP PCP PCP FOT	PCP	.7		. 3	.9	.4	.3					2 4	
2<5 NO F	PCP		•					• 0	. 4	.0	. 4	2.4	
ror				. 1	.0	.0	.0	.0	.0	.0	.0	.6	
		.0	. 4	.0	.0	.0	.0	• 0	.0	.0	.0	. 4	
	*	• 2	. 7	. 1	•0	.0	.0	.0	.0	.0	.0	.9	
PCP		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10 NO F		. 7	1.3	4.0	15.4	9.4	8.5	4.7	1.2	.0	1.9	47.2	
TOT	*	.7	1.3	4.0	15.4	9.4	8.5	4.7	1.2	.0	1.9	47.2	
PCP		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+ ND		2.4	3.8	6.7	9.8	9.8	8.5	2.4	1.3	.0	3.7	48.5	
TOT	*	2.4	3.8	6.7	9.8	9.8	8.5	2.4	1.3	.0	3.7	48.5	

TABLE 9

					WITH V	ARYING	VALUE	S UF V	ISTRIC	ITY				
VSBY (NM)	SPD	N	NE	E	SE	S	SW	*	NW	VAR	CALM	PCT	TOTAL	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10	.0	.0	. 2	.0	.0	.0	.0	.0	.0		, 2		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	.0	. 2	.0	.0	.0	.0	.0	.0	.0	. 2		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	0-3	.0	.2	. 2	.2	.0	. 2	.0	. 2	.0	.4	1.3		
1<2	4-10	. 2	. 4	. 1	.6	. 2	. 1	.0	. 2	.0		1.7		
	11-21	.0	.0	.0	. 2	. 2	.0	.0	.0	.0		. 4		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.2	.6	. 3	.9	.4	.3	.0	.4	.0	. 4	3.4		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	4-10	. 2	. 2	.0	.0	.0	.0	.0	.0	.0		.4		
	11-21	.0	.5	. 1	.0	.0	.0	.0	.0	.0		.6		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	. 2	.7	.1	.0	.0	.0	.0	.0	.0	.0	.9		
	0-3	.0	.0	.0	1.5	.5	1.1	1.3	. 3	.0	1.9	6.5		
5<10	4-10	. 5	1.3	2.8	9.3	6.7	5.4	2.0	. 7	.0		28.8		
	11-21	. 2	.0	1.2	4.6	2.2	2.0	1.4	. 2	.0		11.8		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT \$. 7	1.3	4.0	15.4	9.4	8.5	4.7	1.2	.0	1.9	47.1		
	0-3	.4	.6	.6	.2	.3	.6	.7	. 4	.0	3.7	7.5		
10+	4-10	1.8	3.1	5.0	6.5	7.5	6.0	1.7	. 9	.0		32.5		
	11-21	. 2	. 2	1.0	2.6	1.8	1.9	.0	.0	.0		7.7		
	455	.0	.0	.1	.5	. 1	.0	.0	.0	.0		.7		
	TOT %	2.4	3.8	6.7	9.8	9.8	8.5	2.4	1.3	.0	3.7	48.4		
	מים דם												535	
T	OT PCT	3.5	6 . 4	11.3	26.2	19.5	17.2	7.1	2.9	.0	6.0	100.0		

									AUGU	ST						
PERIOD	PRIMARY					1			TABLE	10			AF	1EA 0021	BROOME .45 121	. 5 E
					PER	CENT F	REQUEN	CY DE	CEILIN	G HE 10	HTS (F	EET, NH	>4/8) 4	IND		
		HOUR (GMT)	000	150	300 599	600	1000	2000	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS	
		00803	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	1.6	98.4	61	
		06609	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	2.1	97.9	47	
		12815	.0	.0	•0	.0	2.0	2.0	2.0	.0	.0	2.0	7.8	92.2	51	
		18821	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	55	
		TOT	0	0	0	0	1	2	2	0	0	1	6	208	214	

		,	TA	BLE 1	1			TABLE 12
		PERCENT	FREQUENCY	VSBY	(NM)	BY HOUR		CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HDUR <150 <600 <1000 1000+ NH <5/8 TOTAL (GMT) <50YD <1 <5 AND5+ AND 5+ DBS
00803	.0	.0	2.1	1.6	53.6	42.7	192	00803 .0 .0 .0 1.7 98.3 58
06609	.0	.0	6.4	.0	43.6	50.0	110	06609 .0 .0 .0 2.2 97.8 45
12815	.7	.0	3.4	.7	51.4	43.8	146	12615 .0 .0 .0 8.3 91.7 48
18821	.0	.0	2.7	. 9	40.7	55.8	113	18821 .0 .0 .0 100.0 52
TOT PCT	.2	.0	19 3.4	.9	272 48.5	264 47.1	561 100.0	PCT .0 .0 .0 5 197 203

				т,	ABLF 1	3									TABL	E 14				
	PERCE	ENT FR	EQUENCY	OF PI	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTIO	N BY T	ЕЧР	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	5 E	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	.4	.0	.0	.0	2	. 4	.0	.0	.0	.0	. 3	.2	.0	.0	.0	.0
80/84	.0	. 2	. 2	2.5	1.8	1.6	. 4	.0	30	6.7	.4	. 2	.6	2.9	1.0	1.4	.0	.0	.0	. 2
75/79	.0	. 7	2.0	8.3	11.9	23.3	10.5	1.3	259	58.1	1.6	3.4	4.7	16.5	12.1	9.6	5.2	1.8	.0	3.1
70/74	.0	.0	1.6	3.8	8.3	5.6	6.3	5.2	137	30.7	.7	1.3	2.8	8.6	7.3	5.4	2.1	1.2	.0	1.1
65/69	.0	.0	.0	1,1	.7	.7	.4	.9	17	3.8	.0	.0	. 8	1.0	.0	. 8	. 3	.0	.0	. 9
60/64	.0	.0	.0	.0	. 2	.0	.0	.0	1	.2	.0	.0	.0	. 2	.0	.0	.0	.0	.0	.0
TOTAL	0	4	17	70	104	139	79	33	446	100.0										
PCT	.0	. 9	3.8	15.7	23.3	31.2	17.7	7.4			2.7	4.9	8.9	29.2	20.7	17.4	7.7	3.1	.0	5.4

			TAP	LE 15									TABLE	16			
MEANS,	EXTREM	ES AND	FERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOUR	ì
мдх	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
9 86	82 85	80 83	75 78	74	68 70	68	75.0 77.8	184	00603	.0	30.3	28.6	26.7	16.1	6.2	59	161
1 79	78	77	74	68	64	64	73.8	106	18821	.0	14.6	14.6	32.3	27.1	11.5	75	123 96 469
	MAX 3 85 9 86 5 81 1 79	MAX 99% 3 85 82 9 86 85 5 81 80 1 79 78	MAX 99% 95% 3 85 82 80 9 86 85 83 5 81 80 78 1 79 78 77	MEANS, EXTREMES AND PERCEN MAX 99% 95% 50% 3 85 62 80 78 9 86 85 83 78 5 81 80 78 76 1 79 78 77 74	MAX 99% 95% 50% 5% 3 85 62 80 75 69 9 86 85 83 78 74 5 81 80 78 76 70 1 79 78 77 74 68	MEANS, EXTREMES AND FERCENTILES OF TELL MAX 99% 95% 50% 5% 1% 1% 3 85 62 80 75 69 66 85 83 78 74 70 75 81 80 78 76 70 68 1 79 78 77 74 68 64	MEANS, EXTREMES AND FERCENTILES OF TEMP (DE MAX 99% 95% 50% 5% 1% MIN 13 85 62 80 75 69 68 68 99 86 65 83 78 74 70 70 70 5 81 80 78 76 70 68 67 179 78 77 74 68 64 64	MEANS, EXTREMES AND FERCENTILES OF TEMP (DEG F) B MAX 99% 95% 50% 5% 1% MIN MEAN 3 85 82 80 75 69 68 68 75.0 9 86 85 83 78 74 70 70 77.8 8 85 80 78 76 70 68 67 75.2 1 79 78 77 74 68 64 64 73.2	MEANS, EXTREMES AND FERCENTILES OF TEMP (DEG F) BY HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL DBS 85 82 80 75 69 66 68 75.0 184 9 86 85 83 78 74 70 70 77.8 103 1 79 78 77 74 68 64 64 73.8 106	MEANS, EXTREMES AND FERCENTILES OF TEMP (DEG F) BY HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL DB5 (GM1) 3 85 82 80 75 69 68 68 75.0 184 00003 9 86 85 83 78 74 70 70 77.8 103 006.09 9 86 85 83 76 76 70 68 67 75.2 135 12615 1 79 78 77 74 68 64 64 73.8 106 18621	MEANS, EXTREMES AND FERCENTILES OF TEMP (DEG F) BY HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL DBS (GMT) 3 85 82 80 75 69 68 68 75.0 184 00603 .0 9 86 85 83 78 74 70 70 77.8 103 06609 .0 1 80 78 76 70 68 67 75.2 135 12615 .0 1 79 78 77 74 68 64 64 73.8 106 18621 .0	MEANS, EXTREMES AND FERCENTILES OF TEMP (DEG F) BY HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL 100	MEANS, EXTREMES AND FERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL (GMT) 3 85 82 80 75 69 68 68 75.0 184 00603 .0 22.4 28.6 85 83 78 74 70 70 77.8 103 06609 .0 30.3 31.5 81 80 78 76 70 68 67 75.2 135 12615 .0 13.8 17.1 79 78 77 74 68 64 64 73.8 106 18621 .0 14.6 14.6	MEANS, EXTREMES AND FERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY OF RELA MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL OBS (GMT) 3 85 82 80 75 69 68 68 75.0 184 00603 .0 22.4 28.6 26.7 9 86 85 83 78 74 70 70 77.8 103 00609 .0 30.3 31.5 24.7 5 81 80 78 76 70 68 67 75.2 135 12615 .0 13.8 17.1 39.8 1 79 78 77 74 68 64 64 73.8 106 18621 .0 14.6 14.5 32.8	MEANS, EXTREMES AND FERCENTILES OF TEMP (DEG F) BY HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL OBS (GMI) 3 85 82 80 75 69 68 68 75.0 184 00603 .0 22.4 28.6 26.7 16.1 9 86 85 83 78 74 70 70 77.8 103 06609 .0 30.3 31.5 24.7 13.5 81 80 78 76 70 68 67 75.2 135 12615 .0 13.8 17.1 39.8 17.1 79 78 77 74 68 64 64 64 73.8 106 18621 .0 14.6 12.3 27.1	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL OBS (GMI) 3 85 82 80 75 69 68 68 75.0 184 00003 .0 22.4 28.6 26.7 16.1 6.2 9 86 85 83 78 74 70 70 77.8 103 00009 .0 30.3 31.5 24.7 13.5 .0 5 81 80 78 76 70 68 67 75.2 135 12615 .0 13.8 17.1 39.8 17.1 12.2 17.9 78 77 74 68 64 64 73.8 106 18621 .0 14.6 32.3 27.1 11.5	MEANS, EXTREMES AND FERCENTILES OF TEMP (DEG F) BY HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL DBS (GMT) 3 85 82 80 75 69 68 68 75.0 184 00003 .0 22.4 28.6 26.7 16.1 6.2 59 9 86 85 83 78 74 70 70 77.8 103 00609 .0 30.3 31.5 24.7 13.5 .0 56 5 81 80 78 76 70 68 67 75.2 135 12615 .0 13.8 17.1 12.2 74 1 79 78 77 74 68 64 64 73.8 106 18621 .0 14.6 14.6 32.3 27.1 11.5 75

PERIOD: (PRIMARY) 1924-1971 (DVER-ALL) 1885-1971

TABLE 17

AREA 0021 BROOME 16.45 121.5E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	61	65	69	73	77	81	85	TOT	W	WD
TMP DIF	64	68	72	76	80	84	88		FOG	FDG
11/13	.0	.0	.0	.0	.3	.0	.0	1	.0	.3
9/10	.0	.0	.0	.0	.0	. 3	.0	1	.0	.3
7/8	.0	.0	. 3	1.6	1.3	. 3	. 3	12	.0	3.9
	.0	.0	.3	1.0	1.3	1.0	.0	7	.0	2.3
5	.0	.0	.3	. 3	1.3	.7		17	.0	2.6
4	.0	. 3	.0	. 3	3.3	1.0	.0	17	.0	5.6
3	.0	.0	.0	1.3	2.0	1.0	.0	14	.0	4.6
2	.0	.0	. 7	3.3	1.6	.7	.0	19	.0	6.2
6 5 4 3 2 1 0	.0	.0	.7	6.2	3.9	1.6	.0	38	.0	12.4
0	.0	.0	1.6	6.9	5.6	.0	.0	43	.0	14.1
-1	.0	. 3	. 3	6.5	3.3	.0	.0	32	.0	10.5
-2	.0	.0	1.0	7.2	3.9	.0	.0	37	.0	12.1
-3	.0	.0	1.3	3.6	3.6	.0	.0	26	.0	8.5
-4	.0	.0	1.3	3.3	. 3	.0	.0	15	.0	4.9
-5	.0	.0	1.3	3.6	1.0	.0	.0	18	.0	5.9
-6	.0	.0	1.3	1.3	.0	.0	.0	7	.0	2.3
-7/-8	.0	. 3	1.3	. 7	.0	.0	.0	7	.0	2.3
-9/-10	.3	. 3	.7	.0	.0	.0	.0	4	.0	1.3
TOTAL	1		38		96		3		0	306
10000		4		144		20		306		
PCT	. 3	1.3	17.4	47.1	31.4	6.5	1.0	100.0		100.0

PERIOD: (DVER-ALL) 1963-1971

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 1-3 SE 22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 HGT <1 1-2 3-4 5-6 7 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87-50 71-86 87-50 71-86 22-33 1-3 11-21 .0 2.3 3.3 3.2 .8 .8 .0 .0 .0 .0 .0 .0 34-47

									AUGL	IST								
PERIOD:	(DVE	R-ALL)	1963-1	1971										AKEA	0021	BROD	ME	
								TABLE	18 (CONT					16	.45	121.5	5 E
											10-0-							
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND	DIREC	LION	VERSUS	SEA HEIG	HTS (FT)			
HGT	1-3		11-21	22-33	34-47					1-3	4-10	11 01	SW			-		
<1	.0	4-10				48+	PCT				1.0			34-47	48+		CT	
1-2			.0	.0	.0	• 0	1.3			.0	10.6			.0	.0		.0	
3-4	. 3	9.6	1.3	.0	• 0	• 0	11.7			.0				.0	.0	12		
3-4	.0	2.7	2.7	.0	• 0	• 0	5.4			.0	.4			.0	.0		. 3	
7	.0	.0	.6	.0	.0	.0	.6			.0	.0			.0	.0		.0	
	.0	.0	.0	.0	.0	• 0	.0			• 0	.0			.0	.0		.0	
8-9	.0	.0	.0	.6	.0	.0	. 6			.0	.0			.0	.0		.0	
10-11	.0	.0	.0	.0	.0	• 0	.0			.0	.0			.0	.0		.0	
12	.0	.0	.0	.0	.0	.0	.0			. 0	.0			.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		.0	
20-22	.0	.0	.0	.0	.0	• 0	.0			.0	.0			.0	.0		.0	
23-25	.0	.0	.0		.0	.0	.0			.0	.0			.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		.0	
41-48	.0	.0	.0	.0	• 0	.0	.0			.0	.0		.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0	.0			. 0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	• 0	.0			.0	.0		.0	.0	.0		.0	
TOT PCT	. 8	13.7	4.6	.6	.0	.0	19.6			.0	11.9	2.7	.0	.0	.0	14		
													NW				,	TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	p	CT.	PCT
<1	.0	.0	.0	.0	.0	.0	.0			1.0	. 8			.0	.0		. 7	
1-2	.0	1.3	.0	.0	.0	.0	1.3			.0	. 2			.0	.0		. 2	
3-4	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		.0	
5-6	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		.0	
7	.0	.0	.0	.0	• 0	• 0	.0			.0	.0			.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		.0	
23-25	.0	.0	. 5	.0	.0	.0	.0			.0	.0			.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0			
49-60	.0	.0	.0	.0	.0	.0				.0	.0						.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		.0	
71-86	.0	.0	.0	.0	.0		.0				.0			.0	.0		.0	
87+	.0	.0	.0	.0	.0	• 0	.0			.0	.0			.0	.0		.0	
						.0	.0			.0	. 0	.0	.0	.0	.0		.0	
TOT PCT	.0	1.3	.0	.0	.0	.0	1.3			1.0	1.0	.0	.0	.0	.0	100	. 9	90.0

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	14.5	8.4	.0	.0	.0	.0	22.9	003
1-2	.8	44.3	5.3	.0	.0	.0	50.4	
3-4	.0	11.5	7.6	.0	.0	.0	19.1	
5-6	.0	.8	1.5			.0	4.6	
7	.0	.0	.8	.0	.0	.0	.8	
8-9	.0	.0	. 8	.8	.0	.0	1.5	
10-11	.0	.0		.0	.0	.0	.0	
12		.8	.0	.0	.0	.0	.8	
13-16			.0		.0	.0		
17-19	• 0	.0	.0	.0			.0	
	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	. 0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								131
TOT PCT	15.3	65.6	16.0	3.1	.0	.0	100.0	

PERIOD: (DVER-ALL) 1964-1971 -

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	4.5	31.6	11.3	1.5	1.5	.0	.0	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	68	2
6-7	.0	1.5	4.5	6.0	1.5	2.3	.0	.0	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	5
8-9	.0	.0	. 8	1.5	3.0	. 8	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	7
10-11	.0	2.3	3.0	4.5	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	14	4
12-13	.0	.0	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
INDET	12.0	1.5	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	0
TOTAL	22	49	28	18	9	4	1	1	1	0	0	0	0	0	0	0	0	0	0	133	3
PCT	16.5	36.8	21.1	13.5	6.8	3.0	. 8	. 8	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1924-1970 (DVER-ALL) 1877-1970

TABLE 1

AREA 0021 BRODME 16.85 121.1E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	5.4	.0	24.3	.0	62.2
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	.0	.0	4.9	.0	85.4
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	.0	.0	4.5	.0	87.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	.0	.0	5.0	.0	88.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	.0	.0	5.9	.0	89.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	.7	.0	5.1	.0	90.6
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	.0	.0	4.1	.0	89.4
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.3	.0	.0	12.7	.0	76.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	• 0	.0	.0	.0	.0	9.4	3.1	.0	12.5	.0	75.0
TOT PCT		.0	.0	.0	• 0	.0	.0	.0	.0	5.8	.6	.0	7.0	.0	86.5

TABLE 2

DEDCENT	EDECHENCY	OF	WEATHER	DECLIPBENCE	DV	MOUNT

						-									
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	.6	.0	9.9	.0	86.5
90360	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	91.7
12815	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	1.3	.0	5.3	.0	84.8
18621	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.7	.0	.0	. 9	.0	84.4
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	.5	.0	5.8	.0	86.6

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		#11	40 SPE	ED IKN	1270								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.5	2.7	.4	.0	.0	.0		3.6	6.5	1.4	1.7	6.3	6.3	6.2	3.0	.0	3.5
NE	.5	1.6	.2	.0	. 0	.0		2.3	6.2	1.9	2.5	5.7	2.7	2.4	1.0	.0	2.7
E	1.3	4.9	1.2	• 1	.0	.0		7.6	7.5	7.9	15.0		8.9	6.0	5.0		
SE	.7	7.0	4.3	1.0	.0	.0		13.0	10.5	17.1	19.2				14.0		17.0
S	1.5	12.0	3.7	. 2	.0	.0		17.4	8.5	26.9	17.5	7.3	19.6		14.0		
SW	2.1	18.6	6.0	.0	.0	.0		26.7	8.3	26.9	20.8	25.5	20.5	26.2			
W	1.3	11.1	3.5	• 2	.0	.0		16.1	8.7	7.2	14.2		19.6				
NW	.4	5.5	. 9	• 0	.0	.0		6.7	7.5	2.3	4.2		10.7	11.0	7.0		8.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		. 5
CALM	6.6		• •	• • •		• ()		6.6	.0	8.4	5.0						
TOT DBS	79	335	107	8	•			0.0	7.9				3.6	6.7	10.0		
					0	0	529		1.7	107	60	48	56	105	50	47	55
TOT PCT	14.9	63.3	20.2	1.5	.0	• 0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

		WIND	SPEED	(KNDTS)						HOU	R (GMT)
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						DRS	FREQ	SPD	03	09	15	21
N	2.2	1.4	.0	.0	.0		3.6	6.5	1.5	6.3	5.2	1.9
NE	1.4	.9	.0	.0	.0		2.3	6.2	2.1	4.1	1.9	1.5
E	4.1	3.2	. 2	.1	.0		7.6	7.5	10.5	7.9	5.6	5.3
E SE	4.2	6.5	2.2	.1	.0		13.0	10.5	17.8	12.3	9.8	10.9
S	6.0	10.9	.6	.0	.0		17.4	8.5	23.5	13.9	11.6	19.7
SW	9.2	16.7	. 8	.0	.0		26.7	8.3	24.7	22.8	28.4	31.1
W	4.9	10.6	.6	.0	.0		16.1	8.7	9.7	18.3	20.0	18.4
NW	3.2	3.5	.0	.0	.0		6.7	7.5	3.0	9.6	9.7	5.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	6.6		• •	• •			6.6		7.2	4.8	7.7	5.8
TOT DAS	221	284	23	1	0	529		7.9	167	104	155	103
TOT PCT	41.8	53.7	4.3	. 2	.0		100.0	1.5.5	100.0		100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1924-1970 (OVER-ALL) 1877-1970

TABLE 4

ARE4 0021 BROOME 16.85 121.1E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL
00203	7.2	9.0	59.9	21.0	3.0	3 .0	.0		100.0	167
12615	7.7	10.3	63.2	18.7	.0	.0	.0	7.3	100.0	155
TOT	35	44	335	107	1.9	.0	.0	7.9		103 529
PCT	6.6	8.3	63.3	20.2	1.5	.0	.0		100.0	

TABLE 5

	CT FRE			DIRFC		EIGHTHS)							CEILIN NH <5/					
WED DIP	0-2	3-4	5-7	8 & 085CD	TOTAL DBS	MEAN CLOUD CDVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 79 99	8000+	NH <5/8 ANY HGT	TOTAL
N	1.9	.6	.0	.0		.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	
NE	1.5	. 6	. 1	.0		1.1	.0	.0	.0	. 1	.0	.0	.0	.0	.0	.0	2.1	
E	2.6	.6	. 4	.0		1.3	.0	.0	.0	. 4	.0	.0	.0	.0	.0	.0	3.2	
SE	11.7	.6	.3	.0		.6	.0	.0	.0	.0	.0	.0	. 3	.0	.0	.0	12.3	
S	12.6	. 6	1.2	.0		. 8	.0	.0	.0	.0	. ()	. 4	. 8	.0	.0	.0	13.1	
SW	27.1	1.7	2.5	.0		1.0	.0	.0	.0	.0	. 1	. 7	. 6	.0	.0	.0	29.8	
W	18.5	1.7	1.0	.0		.7	.0	.0	.0	.0	. 4	.6	.0	.0	.0	.0	20.2	
NW	5.2	.0	.0	.0		.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	
VAR	.0	.0	.0	.0		• C	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	
CALM	7.2	.0	.0	.0		• 1	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	7.2	
TUT OBS	160	11	10	0	181	. 8	0	0	0	1	1	3	3	0	0	0	173	181
TOT PCT	88.4	6.1	5.5	.0	100.0		.0	• 0	.0	.6	.6	1.7	1.7	• 0	.0	.0	95.6	100.0

TABLE 7

CUMULATIVE	PCT FREQ	OF	SIMULT	ANEUU	2 000	URRENCE	
DF CFILIN	IG HEIGHT	(NH	>4/A)	AND	VSBY	(NM)	

					VSBY (NM	1)			
CE	ILING	• DR	- UR	= DR	= OR	= DR	- DR	- OR	· DR
()	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR	>6500	.0	.0	.0	.0	.0	.0	.0	.0
DR	>5000	.0	.0	.0	.0	.0	.0	.0	.0
OR	>3500	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
OR	>2000	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
OR	>1000	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
DR	>600	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
OR	>300	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
UR	>150	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
OR	> 0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
	TOTAL	8	8	8	8	8	8	8	8

TOTAL NUMBER OF OBS: 186 PCT FREQ NH <5/81 95.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 59.9 28.0 4.3 3.4 .5 1.9 1.0 1.0 .0 .0 207

S	F	P	7	F	M	R	F	R

PERIOD:	(PRIMARY) 1 (DVER-ALL) 1	924-1970 877-1970						TA	BLE 8				ARE	A 0021	BROOME 6.85 121.1
			P	ERCENT					VS DCC				CURRENC	E DF	
	VSBY		N	NE	Ε	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
		PCP	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	<1/2	NO PCP	. 2	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.4		
		TOT %	. 2	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.4		
		PCP	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1/2<1	NO PCP	• 0	• 0	. C	.0	.0	. 2	.0	.0	.0	.0	. 2		
		TOT %	•0	• 0	.0	.0	.0	• 2	.0	.0	.0	.0	.2		
		PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1<2	NO PCP	. 7	.3	.3	.6	1.1	1.4	. 8	1.0	.0	. 8	6.8		
		TOT %	. 7	. 3	. 3	.6	1.1	1.4	.8	1.0	.0	. 8	6.8		
		PCP	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	2<5	NO PCP	.0	.0	. 1	*	.0	.0	.0	. 2	.0	.0	. 4		
		TOT %	• 0	• 0	. 1	*	.0	.0	.0	. 2	.0	.0	. 4		
		PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	5<10	NO PCP	1.6	. 9	3.9	7.1	8.6	10.1	5.1	1.6	.0	2.3	41.1		
		TOT %	1.6	. 9	3.9	7.1	8.6	10.1	5.1	1.6	.0	2.3	41.1		
		PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	10+	NO PCP	1.2	. 8	2.1	5.2	8.1	15.8	10.8	4.2	.0	2.9	51.1		
		TOT %	1.2	. 8	2.1	5.2	8.1	15.8	10.8	4.2	.0	2.9	51.1		
		TOT DBS												513	
		TOT PCT	3.6	2.0	4 4	13.0		27 .	14 4	6.9	.0	4 2	100.0		

TABLE 9

PERCENT FREQ OF WIND DIRECTION YS WIND SPEED

(NM)	SPD KTS	N	NE	Ε	5.€	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.6	. 8	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	
	0-3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	.0	. 2	.0	.0	.0	.0	. 2	
	0-3	.0	.2	.0	.1	. 3	.0	.0	. 2	.0	. 8	1.6	
1<2	4-10	.7	• 1	. 3	. 3	.6	. 8	.5	.7	.0		3.9	
	11-21	.0	.0	.0	. 5	. 2	.6	.3	. 1	.0		1.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT &	.7	.3	. 3	-6	1.1	1.4	. 8	1.0	.0	. 8	6.8	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	. 1	*	.0	.0	.0	.0	.0		. 2	
	11-21	.0	.0	.0	.0	.0	.0	.0	. 2	.0		. 2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.1		. 0	.0	.0	. 2	.0	.0	.4	
	0-3	.3	.3	.7	.4	.9	.8	.8	.0	.0	2.3		
5<10	4-10	1.3	. 6	2.2	3.2	5.6	7.6	3.8	1.6	.0		25.8	
	11-21	.0	.0	. 9	2.8	2.0	1.7	.5	.0	.0		8.0	
	22+	.0	.0	. 1	.7	.0	.0	.0	.0	.0		. 8	
	TOT %	1.6	. 9	3.9	7.1	8.5	10.1	5.0	1.6	.0	2.3	41.0	
	0-3	.0		. 5	. 2	.4	1.2	.6	. 2	.0	2.9		
10+	4-10	. 8	. 5	1.2	3.2	5.9	10.7	7.1	3.4	.0		32.8	
	11-21	.4	. 2	. 4	1.4	1.6	3.8	2.9	.6	.0		11.3	
	22+	.0	.0	.0	. 4	. 2	.0	. 2	.0	.0		. 8	
	TOT %	1.2	.8	2.1	5.2	8.1	15.7	10.7	4.2	.0	2.9	50.9	
	OT DAS							14.6	4.0				515
1	OT PCT	3.6	2.0	6.4	12.9	11.1	21.4	16.6	6.9	.0	0.0	100.0	

							SEPTE	MBER					
IMARY) 1924-1 ER-ALL) 1877-1							TABLE	10			AR		BROOME .85 121.15
			PER	CENT F	REQUEN	CURREN	CEILIN	G HE I G	HTS (F	EET, NH	>4/8) 4	ND	
HOUR (GMT)	000	150	300 599	600	1000	2000	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	.0	.0	2.0	6.0	2.0	.0	.0	.0	10.0	90.0	50
96236	.0	.0	.0	2.1	.0	.0	4.2	.0	.0	.0	6.3	93.8	48
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	58
18521	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	51
PCT	.0	.0	.0	.5	.5	3 1.4	1.4	.0	.0	.0	3.9	199 96.1	207

				TABLE 1	1						TABLE	12		
		PERCENT	FREQUENC	Y VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HUUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	1.7	.0	10.4	.0	46.8	41.0	173	00603	.0	.0	.0	11.5	88.4	43
06609	.0	•0	7.4	.0	35.2	57.4	108	90300	.0	.0	2.2	4.3	93.5	45
12615	.6	.6	5.7	.6	43.0	49.4	158	12615	.0	.0	.0	.0	100.0	51
18621	.0	•0	.9	.9	43.1	55.0	109	18621	.0	.0	.0	.0	100.0	46
TOT	.7	.2	36	2	234		548 100.0	TOT	0	0	.5	3.8	178 95.7	186

				т	ABLE 1	3									TABL	E 14				
	PERC	ENT FR	EQUENC	Y OF P	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y DF	IND DI	RECTIO			
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	085	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	:0	.0	.2	1.1	.0	.0	1	1.6	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
80/84	.0	.0	.7	1.1	4.0	5.6	2.9	.0	64	14.3	2.7	1.2	1.8	2.0	1.3	3.5	2.0	1.3	.0	1.6
79/79	.0	.0	. 2	1.8		2.9	18.8	4.5	300 73	16.3	.6	. 2	3.2	4.0	13.1	20.5	2.5	1.1	.0	1.6
65/69 TOTAL	.0	.0	.0	35	63	158	120	62	447	100.0	.0	•0	.0	.1		.2	.0	.0	.0	.0
PCT	.0	.2	1.8	7.5	14.1	35.3	26.8	13.9			3.9	1.6	6.4	13.6	17.8	27.4	15.3	7.3	.0	6.7
				TAR											TARI	E 14				

	TABLE 19									PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR								
	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR																	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	87	85	81	77	73	70	70	77.2	172	00603	.0	16.4	14.5	37.5	25.7	5.9	74	152
90300	90	88	84	79	75	73	73	79.2	103	90300	.0	14.0	26.9	40.9	17.2	1.1	71	93
12615	85	84	80	77	72	71	69	76.6	161	12615	.0	3.6	9.3	32.9	30.7	23.6	81	140
18621	81	80	79	76	71	67	67	75.5	106	18821	.0	4.2	9.5	28.4	35.8	22.1	81	95
TOT	90	85	81	77	72	70	67	77.1	542	TOT	0	47	69	168	132	54	77	480

SEPTEMBER

PERIOD: (PRIMARY) 1924-1970 (COVER-ALL) 1877-1970

R-ALL) 1877-1970

AREA 0021 BRODME 16.85 121.1E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	65	69	73	77	81	85	89	TOT	W	ND
TMP DIF	68	72	76	80	84	88	92		FDG	FDG
11/13	.0	.0	.0	.3	. 3	. 3	. 3	4	.0	1.3
9/10	.0	.0	.0	. 3	.0	.0	.0	1	.0	. 3
7/8	.0	.0	.0	. 3	.7	. 3	.0	4	.0	1.3
	.0	.0	.0	2.3	. 3	. 3	.0	10	.0	3.3
6	.0	.0	. 3	1.3	.3	.0	.0	6	.0	2.0
4	.0	.0	.0	1.7	.7	. 3	.0	8	.0	2.7
3	.0	.0	.7	2.0	1.3	. 3	.0	13	.0	4.3
3 2 1 0	.0	. 3	1.3	5.3	1.0	.0	.0	24	.0	8.0
1	.0	. 3	4.7	9.3	. 7	.0	.0	45	.0	15.0
o.	.0	.0	6.0	10.3	1.0	.0	.0	52	. 3	17.0
-1	.0	. 3	6.3	7.3	1.0	.0	.0	45	. 3	14.7
-2	.0	. 7	5.0	3.7	.3	.0	.0	29	.0	9.7
-3	.0	1.7	3.0	4.7	. 3	.0	.0	29	.0	9.7
-4	.0	2.0	2.7	2.0	.0	.0	.0	20	.0	6.7
-5	.0	.0	1.0	. 7	.0	.0	.0	5	.0	1.7
-6	.0	. 3	.0	. 3	.0	.0	.0	5	.0	. 7
-7/-8	.0	. 7	.0	.0	.0	.0	.0	2	.0	. 7
-9/-10	.3	.0	.0	.0	.0	.0	.0	1	. 0	.3
TOTAL	1		94		24		1		2	298
		19		156		1.7		300		
PCT	.3	6.3	31.3	52.0	8.0	1.7	.3	100.0	. 7	99.3

PERIOD: (DVER-ALL) 1963-1970

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 27-33 34-47 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-96 HT PCT PCT 48+ 1-3 1-3 34-47 34-47 1-3 1-3 11-21

	200000								SEPTEMBER							
PERIOD:	COAF	H-ALL)	1963-1	1970									AREA	0021		
								TABLE	18 COUNT)				16.	85 121	.1E
				0.0	* ***	0			AND DIRE	crene	IEDE IE					
					FREG	OF MINO	ZAEED	(412)	AND DIKE	CITUM	E 4202 2	EA HEID	HIS (FI)			
				S								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	2.3	.0	.0	.0	.0	2.3		. 8	2.1	.0	.0	.0	.0	2.9	
1-2	.0	5.9	.8	.0	.0	.0	6.6		.0	12.5	3.9	.0	.0	.0	16.4	
3-4	.0	2.7	.6	. 8	.0	• 0	4.1		.0	5.9	3.5	.0	.0	.0	9.4	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	. 6	3.1	.0	.0	.0	3.9	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
9-9	.0	.0	.0	. 0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	10.9	1.4	. 8	• 0	.0	13.1		.8	21.3	10.5	.0	.0	.0	32.6	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	2.7	.0	.0	•0	•0	2.7		.0	.2	.0	.0	.0	.0	.2	
1-2	1.6	7.4	. 8	.0	.0	.0	9.8		.0	3.9	.0	.0	.0	.0	3.9	
3-4	.0	2.0	2.9	.0	.0	• 0	4.9		.0	1.8	.0	.0	.0	.0	1.8	
5-6	.0	.0	. 8	.0	• 0	.0	. 8		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	1.6	. 8	• 0	• 0	2.3		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	. 0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	•0	.0	.0	.0	
TOT PCT	1.6	12.1	6.1	. 8	•0	.0	20.5		.0	5.9	.0	.0	.0	.0	5.9	93.0

	WIND	SPEFO	(KT5)	VS SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	10.7	10.7	.0	.0	.0	.0	21.4	003
1-2	1.5	36.6	6.1	.0	.0	.0	44.3	
3-4	.0	15.3	9.2	. 8	.0	.0	25.2	
5-6	.0	. 8	3.8	. 9	.0	.0	5.3	
7	• 0	.0	2.3	. 8	.0	.0	3.1	
8-9	.0	.0	.0	. 8	.0	.0	. 8	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								131
TOT PET	12.2	63.4	21.4	3.1	.0	.0	100.0	

PERIO	D: (DV	ER-ALL) 195	0-1970	,				TABLE	19											
					PERCENT	FRE	QUENCY D	F WA	VE HEI	SHT (F	r) vs (MAVE P	ERIDO	SECON	(2)						
PERIOD (SEC)	< 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	10.9	31.2	14.5	2.9	. 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	83	2
6-7	.0	1.4	12.3	1.4	1.4	. 7	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	4
8-9	.0	.0	1.4	7.2	4.3	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	6
10-11	.0	.0	.0	. 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
12-13	.0	.0	. 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
INDET	5.1	. 7	. 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	1
TOTAL	22	46	41	17	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	138	3
PCT	15.9	33.3	29.7	12.3	6.5	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1922-1969 (DVER-ALL) 1856-1969

TABLE 1

AREA 0021 BROOME 16.65 121.3E

PERCENT PREDUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WNO DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	.0	.0	29.5	.0	63.6
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	10.0	.0	80.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.0	. C	.0	.0	94.4
S		.0	.0	.0	.0	.0	.0	.0	.0	5.3	.0	.0	0	.0	94.7
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	.0	.0	4.1	.0	86.4
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	1.6	.0	8.8	.0	79.7
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.2	.0	.0	8.0	.0	81.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8	.0	.0	11.8	.0	76.5
TOT PCT	.0	.0	.0	•0	•0	.0	.0	.0	.0	8.6	.7	.0	6.8	.0	83.9

TABLE 2

PERCENT FREDUFNCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00£03 06£09 12£15 18£21	.0	.0	.0	.0	•0	.0	.0	.0	.0	4.1 .0 15.9 12.9	.7 .0 1.4	.0	12.8 10.1 2.2 1.2	.0	82.4 89.9 80.4 85.9
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.6	.0	7.0	.0	84.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WII	IN SPE	ED (KN	075)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FREQ	SPD	00	03	06	09	12	15	18	21
N	.5	3.3	. 9	.0	.0	.0		4.7	7.0	1.8	7.3	7.5	10.9	4.8	.0	.0	3.3
NE	.0	2.1	. 2	.0	.0	.0		2.4	6.3	7.1	2.4	3.1	.0	2.4	.0	.0	. 5
E	. 3	1.6	. 6	.0		.0		2.5	7.9	1.8	4.8	6.9	1.6	1.1	.0	5.1	1.1
SE	. 4	4.6	.2	.0		.0		5.2	7.1	7.1	8.9	5.0	3.9	3.8	2.3	. 8	7.5
S	.6	9.2	1.3	.0		.0		11.1	7.8	14.4	15.7	7.5	10.9	10.2	10.2	5.8	7.5
SW	. 8	22.8	8.7	.0		.0		32.3	9.1	34.7	28.6	22.5	25.6	32.5	42.0	23.5	45.7
W	2.0	18.5	7.5	.0		.0		28.1	8.7	16.2	22.6	33.8	30.5	29.8	37.5	39.4	28.3
NW	. 9	7.5	1.3	.0		.0		9.7	7.5	8.8	8.1	13.8	14.1	12.1	5.7	8.3	4.3
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.1				• •			4.1	.0	8,2	1.6	.0	1.6	3.2	2.3	15.2	2.2
TOT OBS	45	325	97	0	0	0	467		8.0	85	62	40	64	93	44	33	45
TOT PCT	9.6	69.6	20.8	.0		• 0	40.	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18
N	2.7	2.0	.0	.0	.0		4.7	7.0	4.1	9.6	3.3	1.9
NE	1.6	. 7	.0	.0	.0		2.4	6.3	5.1	1.2	1.6	.0
E	1.4	. 9	. 2	.0	.0		2.5	7.9	3.1	3.6	.7	3.2
SE	2.4	2.6	.2	.0	.0		5.2	7.1	7.8	4.3	3.3	4.7
5	4.3	6.5	. 2	.0	.0		11.1	7.8	15.0	9.6	10.2	7.3
SW	8.8	22.2	1.3	.0	.0		32.3	9.1	32,1	25.0	35.6	36.4
W	8.0	19.3	. 7	.0	.0		28.1	8.7	18.9	31.7	32.3	32.9
NW	4.2	5.4	. 1	.0	.0		9.7	7.5	8.5	13.9	10.0	6.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.1						4.1	.0	5.4	1.0	2.9	7.6
TOT DAS	175	279	13	0	0	467		8.0	147	104	137	79
TOT PET	37 5	59.7	2 8	-0	- 0		100.0		100.0	100.0	100.0	100.0

0	0	+	0	D	c	0

								DCIUBER						
PERI	D: (PRIMARY)	1922-196	9									AREA	0021 BR	OME
	(OVER-ALL)	1856-196	9					TABLE 4					16.65	121.3E
				PER	ENTAGE	FREQUE	ENCY OF	WIND SP	EED BY	HOUR	(GMT)			
						WIND	SPEFD	(KNOTS)			PCT	TOTAL		
		HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS		
		160300	5.4	5.4	71.4	17.7	.0	.0	.0		100.0	147		
		96339	1.0	7.7	72.1	19.2	.0	.0	.0	8.1	100.0	104		
		12615	2.9	3.6	70.1	23.4	.0	.0	.0	8.4	100.0	137		
		18821	7.6	6.3	62.0	24.1	.0		.0	8.1	100.0	79		
		TOT	19	26	325	97	0		0	8.0		467		
		PCT	4.1	5.6	69.6	20.8	.0	.0	.0		100.0			

			T,	ABLE 5								T	ABLE 6					
	CT FRE			CLOUD A		(EIGHTHS)							CEILIN					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	MEAN CLOUD COVER	000 149	150	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7 999	8000+	NH <5/8 ANY HGT	TOTAL
N NE	2.9	.0	.0	.0		.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	
E SE	4.2	.0	.0	.0		1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	
5	6.9	1.3	2.2	.0		.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.2	
W NW	28.1	2.6	1.5	.0		1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30.7	
VAR	4.4	2.2	.0	.0		1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT DBS	118	13	4.4	.0	137	8	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	135	137

TABLE 7

CUMULATIVE PCT FREQ (IF SIMULTANEOUS DOCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NE	1)			
CEILING	• OR	• OR '	= DR	= OR	= OR	= OR	- OR	- JR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	.0	.0	.0	.0	.0	.0	.0	.0
■ OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
■ DR >3500	.0	.0	.0	.0	.0	.0	.0	.0
■ OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
- DR >1000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
■ DR >600	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
■ DR >300	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
• OR >150	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
• OR > 0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TOTAL	2	2	2	2	2	2	2	2

TOTAL NUMBER OF DBS: 138 PCT FREQ NH <5/81 98.6

PERCENTAGE FREQ OF LOW CLOUDS (FIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	DBS
										148

n	-	n	0	-	0

PERIOD:	(PRIMARY)	1922-1969						т.	BLE 8				ARE	4 0021 BRD	DME 121.3E
			Р	FRCENT						URRENC					
					PREC	IPITAT	ION MI	TH VAN	(ATMO	ALUES	DE A12	IBILI	1 4		
	VSBY (NM)		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL	
		PCP	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0		
	<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT X	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		PCP	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1/2<	1 NO PCP	.0	. 2	.0	.0	.0	.0	. 5	.0	.0	.0	. 7		
		TOT *	• 0	. 2	.0	.0	.0	.0	. 5	.0	.0	.0	.7		
		PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1<2	NO PCP	1.6	• 2	.0	.0	. 3	2.6	3.2	. 9	.0	.5	9.3		
		TOT %	1.6	. 2	.0	.0	. 3	2.6	3.2	. 9	.0	. 5	9.3		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	2<5	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	5<10		1 . 7	. 6	. 7	2.0	6.0	17.7	13.3	5.0	.0	1.4	48.6		
		TOT %	1 . 7	. 8	.7	2.0	6.0	17.7	13.3	5.0	.0	1.4	48.6		
		PCP	•)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	10+	NO PCP	1.7	1.0	1.4	2.0	4.4	13.1	11.6	4.1	.0	2.0	41.4		
		TOT %	1.7	1.0	1.4	2.0	4.4	13.1	11.6	4.1	.0	2.0	41.4		
		TOT OBS												440	
		TOT PCT	5.0	2.3	2.1	4.0	10.7	33.5	28.5	10.0	.0	3.9	100.0		

TABLE 9

				PERCEN	T FREC	DF WI	ND DIR	S DF V	VISIBIL	NO SPE	ED		
VSBY (NM)	SPD	N	NE	E	SE	s	SW	*	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	. 2	.0	.0	.0	.0	.0	.0	.0	•	. 2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	. 2	.0	.0	.0	.0	.0	.0	.0	.0	. 2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	. 2	.0	.0	.0	.0	. 5	.0	.0		. 7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.0	. 2	.0	.0	.0	.0	. 5	.0	.0	.0	.7	
	0-3	.2	.0	.0	.0	.0	.0	.1	.1	.0	.5	.9	
1<2	4-10	. 9	. 2	.0	.0	. 3	1.8	2.2	. 7	.0		6.1	
	11-21	.5	.0	.0	.0	.0	. 8	. 9	. 1	.0		2.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.6	. 2	.0	.0	.3	2.6	3,2	.9	.0	.5	9.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	. 1	.5	.6	.5	. 2	.0	1.4	3.2	
5<10	4-10	1.5	. 8	.7	1.9	5.0	13.5	10.3	3.6	.0		37.4	
	11-21	.2	.0	.0	.0	.5	3.6	2,5	1.1	.0		7.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.7	. 8	.7	2.0	6.0	17.7	13.3	5.0	.0	1.4	48.5	
	0-3	.3	.0	. 2	.2	.2	.3	.7	.3	.0	2.0	4.3	
10+	4-10	1.1	. 8	. 7	1.5	3.3	8.0	6.3	3.6	.0		25.4	
	11-21	. 2	. 2	. 5	. 2	. 9	4.8	4.5	. 2	.0		11.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.7	1.0	1.4	2.0	4.4	13.1	11.6	4.1	.0	2.0	41.3	
	TOT DAS												441
T	OT PCT	5.0	2.5	2.1	4.0	10.7	33.4	28.5	10.0	.0	3.9	100.0	

							0010	BER					
(PRIMARY) 1922- (DVER-ALL) 1856-							TABLE	10			AR		BROOME .65 121.38
			PER	CENT F	REQUEN	CURREN	CFILINGE OF	NH <5/	HTS (F	EET, NH	>4/81 4	IND	
HOUR (GMT)	000	150 299	300 599	600	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00003	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0	2.8	97.2	36
06809	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	2.4	97.6	41
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	36
18621	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	34
TOT PCT	.0	.0	0	.0	2	.0	.0	.0	.0	.0	1.4	145 98.6	147

					TABLE 1	1						TABLE	12		
			PERCENT	FREQUENC	Y YSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
	DUR GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
0	6030	.7	.7	14.8	.0	49.0	34.9	149	60300	.0	.0	.0	3.0	97.0	33
0	6609	.0	.0	10.1	.0	39.4	50.5	99	06809	.0	.0	.0	2.5	97.4	39
1	2615	.0	1.4	8.0	.7	55.1	34.8	138	12615	.0	.0	.0	.0	100.0	34
1	8 & 2 1	.0	•0	1.2	.0	54.1	44.7	85	18821	.0	.0	.0	.0	100.0	32
	TOT	.2	.6	9.3	.2	234 49.7	188	471 100.0	PCT	0,0	0.0	0,0	1.4	136 98.6	138

				т.	ABLE 1	3									TABL	E 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	HUMI	DITY BY	TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	Ε	SE	S	SW	W	NW	VAR	CAL
85/89	.0		.0	.0	1.5	1.2	.3	.0	10	2.9	. 3	.3	.0	.0	. 5	. 7	1.0	. 1	.0	
75/79	.0	.0	.0	.0	4.7	19.1	17.6	12.9	147	43.1 50.7	2.2	1.8	1.3	2.8	6.3	13.5	8.8	5.6	.0	
70/74	.0		.0	.0	.3	1.2		.9	11	3.2	.1	.0	.0	.1	.1	1.2	.9	.7	.0	2.
TOTAL	0	0	0	3	25	127	133	53	341	100.0										
PCT	.0	.0	.0	.•	7.3	37.2	39.0	15.5			4.9	2.6	2.3	4.6	10.6	35.0	27.3	9.4	.0	3.
				TARI	LE 15										TABL	E 16				
ме	EANS, E	XTREME	S AND	PERCEN	TILES	F TEM	P (DEG	F) BY	HOUR			PERCE	NT FRE	QUENCY	DF RE	LATIVE	HUMID	ITY BY	HOUR	

OCTOBER

PERIOD: (PRIMARY) 1922-1969 (OVER-ALL) 1856-1969

TABLE 17

AREA 0021 BROOME 16.65 121.3F

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	69	73	77	81	85	89	>92	TOT	W	WD
TMP DIF	72	76	80	84	88	92			FOG	FOG
9/10	.0	.0	.0	.0	.0	.0	. 4	1	.0	.4
7/8	.0	.0	.0	. 4	. 4	.0	.0	- 2	.0	. 8
6	.0	.0	.4	.0	. 8	.0	.0	1 2 3 5 8 10	.0	1.2
5	.0	.0	. 8	. 4	. 8	.0	.0	5	.0	2.0
4	.0	.0	.4	2.4	. 4	.0	.0	8	.0	3.1
3	.0	.0	. 8	2.4	. 8	.0	.0	10	.0	3.1
2	.0	. 8	3.9	3.9	1.6	.0	.0	26	.0	10.2
1	.00000000000000000000000000000000000000	. 4	5.1	9.4	1.6	.0	.0	42	.0	16.5
6 5 4 3 2 1 0 -1 -2 -3	.0	2.0	8.7	8.3	.0	.0	.0	48	. 4	18.5
-1	.0	2.0	11.0	4.3	.0	.0	.0	44	.0	17.3
-2	.0	1.6	4.7	3.9	.0	.0	.0	26	. 4	9.8
-3	.0	. 4	3.9	. 8	.0	.0	.0	13	. 0	5.1
-4	.0	. 8	2.0	1.2	.0	.0	.0	10	.0	3.9
-5	.0	. 8	2.0	.0	.0	.0	.0	7	.0	2.8
-6	.0	1.2	.8	.0	.0	.0	.0	5	.0	2.0
-7/-8	1.2	.0	.0	.0	.0	.0	.0	3	.0	1.2
-9/-10	.0	. 4	.0	.0	.0	.0	.0	1	.0	. 4
TOTAL	3	•	113		16		1		2	252
THE PERSON NAMED IN		26		95		0		254		
PCT	1.2	10.2	44.5	37.4	6.3	.0	. 4	100.0	. 8	99.2

PERIND: (DVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) NE 22-333 ... 0 .. 11-21 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 48+ 22-33 1-3 11-21 4-47 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-40 61-70 71-86 87+ 1-3 2.3 11-21 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 26-32 23-25 26-32 33-40 41-48 49-60 61-70 1-86 87+ 48+ 34-47 1-3 1-3

PAGE 454

050100	tours		1963-1						DCT	DBER							
PERIOD:	CUVE	-ALL)	1403-1	464				TABLE	18	(CONT)				AKEA		BROOME 65 121	. 3E
				Pc	T FREO	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS 6	FA HEIG	HTS LET			
							31.620										
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	. 8	.0	.0	.0	.0	.0	. 8			.3	.0	.0	.0	.0	.0	.3	
1-2	.0	6.3	.0	.0	.0	.0	6.3			.0	12.5	1.6	.0	.0	.0	14.1	
3-4	.0	2.3	.0	.0	.0	.0	2.3			.0	2.9	8.9	.0	.0	.0	11.7	
4-6	.0	.0	.0	.0	.0	.0	.0			.0	3.1	3.9	.0	.0	.0	7.0	
7	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	• 0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			• 0	.0	.0	.0	.0	.0	.0	
23-25	. U	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	•0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86 87+	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	• 0	.0			.0	18.5	.0	.0	.0	.0	.0	
TOT PCT	. 8	8.6	.0	.0	•0	•0	9.4			.,	10.5	14.3	.0	.0	.0	33.1	
				W									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	1.0	1.8	.0	.0	• 0	• 0	2.9			1.0	2.3	.0	.0	.0	.0	3.4	
1-2	.0	8.3	1.6	.0	• 0	• 0	9.9			.0	5.7	.0	.0	.0	.0	5.7	
3-4	.0	. 8	8.6	.0	.0	• 0	9.4			.0	3.4	. 3	.0	.0	.0	3.6	
5-6	.0	.0	2.3	.0	• 0	.0	2.3			.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	•0	.0			• 0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	:0	.0	.0	.0			.0	:0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	• 6				.0	.0	.0	.0	.0	.0	.0	
87+		.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.0	10.9	12.5	.0	.0	.0	24.5			1.0	11.5	, 3	.0	.0	.0	12.8	95.8

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	8.3	4.2	.0	.0	.0	.0	12.5	003
1-2	1.0	41.7	4.2	.0	.0	.0	46.9	
3-4	.0	11.5	18.8	.0	.0	.0	30.2	
5-6	.0	3.1	7.3	.0	.0	.0	10.4	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	. 0	.0	.0	. 0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								96
TOT PCT	9.4	60.4	30.2	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1922-1969 (DVER-ALL) 1890-1969

TABLE 1

AREA 0021 BROOME 16.85 121.4E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

							L								
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N NE	.0	.0	.0	.0	•0	.0	.0	.0	.0	10.9	.0	.0	28.1	.0	60.9
	.0	.0		.0	.0	.0	.0			8.2		.0	.0	.0	
E	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	10.8	.0	.0	21.6	.0	67.6
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	.0	92.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8,8	.0	91.2
Sw	.0	. 7	.0	.0	.0	.0	.0	.7	.0	5.9	.0	.0	12.5	.0	80.9
W	.0	.3	.0	.0	.0	.0	.0	.3	.0	9.9	.0	.0	11.1	.0	78.7
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.3	.0	.0	22.9	.0	64.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	6.3	.0	.0	• 0	•0	.0	6.3	.0	.0	.0	.0	25.0	.0	68.8
TOT PCT TOT UBS:	.0 418	.5	.0	•0	•0	• 0	.0	.5	.0	8.6	.0	.0	15.3	.0	75.6

TABLE 2

DEDCENT	COCOURNICY	0.5	MEATHER	DCCURRENCE	n.v	HOUR
PERCENT	FREQUENCY	UF	WEATHER	UCCURRENCE	BY	HUUK

			Р	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	
00803	.0	1.6	.0	.0	.0	.0	.0	1.6	.0	3.1	.0	.0	18.6	.0	76.7
06809	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	25.0	.0	73.8
12815	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	.0	.0	14.8	.0	71.9
18621	.0	.0	.0	.0	• 0	.0	.0	.0	.0	16.1	.0	.0	4.3	.0	79.6
TOT PCT	434	. 5	.0	.0	•0	•0	.0	.5	.0	8.5	.0	.0	15.7	.0	75.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				-													
		WI	IN SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FREQ	SPD	00	03	06	09	12	15	18	21
N	1.4	4.5	1.2	.4	.0	.0		7.5	7.5	10.8	7.7	2.3	12.3	7.6	5.6	10.0	1.0
NE	1.3	1.5	. 2	.0	.0	.0		3.0	5.5	6.4	.0	6.8	2.0	4.0	2.2	.0	1.0
E	.6	1.3	. 5	.0	.0	.0		2.4	7.0	3.4	8.7	3.0	1.0	.0	1.1	2.5	1.0
SE	1.1	2.0	• 1	.0		.0		3.2	5.3	8.1	5.6	12.1	.0	.0	.0	.0	1.9
5	. 4	3.0	.6	• 0		.0		4.0	7.5	7.8	3.1	3.0	3.9	2.7	3.3	2.5	3.8
SW	2.0	8.5	8.3	. 4		.0		19.2	9.9	26.0	19.4	3.0	18.6	15.2	24.4	13.1	25.4
W	2.8	18.0	15.8	. 4		.0		36.9	10.2	23.6			31.4	39.0	45.6		42.8
NW	1.9	9.1	8.0			.0		20.0	10.8	9.8	19.4	24.2	30.9	26.5	15.6		22.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	• 0	.0	.0	.0	.0	.0	.0	
CALM	3.8							3.8	.0	4.1	2.0	9.1	.0	4.9	2.2	10.0	. 0
TOT DBS	65	204	148	8	1	0	426		9.2	74	49	33	51	82	45	40	52
TOT PCT	15.3	47.9	34.7	1.9		.0	46.0	100.0		100.0	100.0	100.0			100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT FREQ	MEAN SPD	00	06 09	12 15	18
N	5.0	1.6	.8	.1	.0		7.5	7.5	9.6	8.3	6.9	4.9
NE	2.0	. 9	. 1	.0	.0		3.0	5.5	3.9	3.9	3.3	. 5
c	1.2	1.2	.0	.0	.0		2.4	7.0	5.5	1.8	. 4	1.6
SE	2.2	1.1	.0	.0	.0		3.2	5.3	7.1	4.8	.0	1.1
S	1.8	2.2	.0	.0	.0		4.0	7.5	5.9	3.6	3.0	3.3
SW	5.8	11.2	2.2	.0	.0		19.2	9.9	23.4	12.5	18.5	7.05
W	9.0	23.2	4.6	. 1	.0		36.9	10.2	27.8	33.3	41.3	46.2
NW	5.6	11.3	2.7	.5	.0		20.0	10.8	13.6	28.3	22.6	17.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.8						3.8	• 0	3.3	3.6	3.9	4.3
TOT DES	155	224	44	3	0	426		9.2	123	84	127	92
TOT PCT	36.4	52.6	10.3	.7	.0		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1922-1969 (DVER-ALL) 1890-1969

TABLE 4

AREA 0021 BROOME 16.85 121.4F

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	KIND 11-21	2	KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL
00803	3.3	13.0	52.8	29.3	1.6	.0	.0	8.3	100.0	123
06609	3.6	9.5	46.4	36.9	2.4	1.2	.0	10.2	100.0	84
12615	3.9	9.4	43.3	41.7	1.6	.0	.0	9.6	100.0	127
18821	4.3	14.1	48.9	30.4	2.2	.0	.0	8.8	100.0	92
TOT	16	49	204	148	8	1	0	9.2		426
DOT	2 8	11 5	47 0	24 7	1 9	. 2	. 0		100.0	

			1.4	ADLE 5														
	PCT FRE			LOUD A		(EIGHTHS)								B BY W				
MNU DIE	0-2	3-4	5-7	8 & 085CP	TOTAL	MEAN CLOUD CDVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 79 9 9	8000+	NH <5/8 ANY HGT	TOTAL DBS
N	6.9	.0	1.4	.5		2,3	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	7.5	
NE	5.3	. 0	.0	.2		1.4	.0	.0	.0	.0	.0	. 2	.0	.0	.0	.0	5.3	
E	2.0	.0	.0	.0		.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
SE	2.3	1.4	.0	.0		1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	
5	1.8	.0	1.4	. 4		3.7	.0	.0	.0	.0	.0	.0	.0	.0	. 4	.0	3.2	
SW	9.4	2.3	. 2	. 4		1.4	.0	.0	.0	.0	.0	.0	.0	.0	. 4	.0	11.9	
W	29.8	5.7	3.2	1.2		1.6	.0	.0	.0	.0	1.2	. 7	.7	.0	.0	.0	37.2	
NW	9.9	2.0	3.7	. 2		2.3	.0	.0	.0	.0	. 9	. 7	.0	. 0	.0	. 7	13.5	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	7.1	.0	1.4	.0		1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	
TUT DB		16	16	4	141	1.7	0	0	0	0	3	4	1	0	1	1	131	141
TOT PC		11.3	11.3	2.8	100.0		.0	.0	.0	.0	2.1	2.8	. 7	• 0	. 7	. 7	92.9	100.0

	The second secon
CUMULATIVE PCT FREQ	OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT	(NH >4/8) AND VSBY (NM)

						VSRY (NM)			
	CF	ILING	· DR	· UR	= DR	= OR	= DR	= DR	· DR	- DR
		EFT)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
	OR	>6500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	OR	>5000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
		>3500	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
		>2000	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
		>1000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
		>600	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
		>300	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
		>150	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
,		> 0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
-	-	TOTAL	10	10	10	10	10	10	10	10

TOTAL NUMBER OF OBS: 142 PCT FREQ NH <5/81 93.0

TABLE 7A

PERCENTAGE FREQ DE LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL
43.5	27.2	11.6	5 4	4 8	. 7	1 - 4	2.7	2.7	. 0	147

PERIOD: (PRIMARY) 1922-1969 (OVER-ALL) 1890-1969

TABLE 8

AREA 0021 BROOME 16.85 121.45

		Р	ERCENT	PREC	IPITAT	D DIRE	TH VAR	YING V	URRENC!	DF VIS	IBILI	CURRENC TY	E DF
VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.2	
1<2	NO PCP	2.4	. 2	. 7	. 2	. 4	2.4	4.4	5.3	.0	.0	16.0	
	TOT %	2.4	. 2	.7	. 2	. 4	2.4	4.4	5.3	.0	. 2	16.3	
	PCP	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.1	. 1	.0	.0	.0	.2	
5<10	NO PCP	2.5	. 8	.6	1.6	1.7	8.3	15.9	8.4	.0	1.2		
	TOT &	2 . 5	. 8	.6	1.6	1.7	8.4	16.0	8.4	.0	1.2	41.1	
	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	NO PCP	2.8	1.9	. 9	1.4	2.0	7.4	17.2	6.8	.0	2.4	42.6	
	TOT %	2 . 8	1.9	. 9	1.4	2.0	7.4	17.2	6.8	.0	2.4	42.6	
	TOT OBS												418
	TOT PCT	7.7	2.9	2.2	3.2	4.1	18.1	37.6	20.4	.0	3.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

					at in v	AK I TINO	VALUE	3 0						
VSBY (NM)	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	0-3	.2	• 1	. 1	. 2	.0	.5	.5	.5	.0	. 2	2.4		
1<2	4-10	1.3	.0	. 2	.0	. 2	.7	1.0	1.8	.0		5.3		
	11-21	.5	. 1	. 4	.0	. 1	1.2	2.8	1.9	.0		6.9		
	22+	. 4	.0	.0	.0	.0	.0	. 2	1.1	.0		1.7		
	TOT %	2.4	• 2	. 7	. 2	. 4	2.4	4.4	5.3	.0	. 2	16.3		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	0-3	.2	.2	.0	.2	.0	.2	1.2	. 5	.0	1.2	3.8		
5<10	4-10	1.9	.6	. 5	1.2	1.3	3.0	8.4	4.9	.0		21.8		
	11-21	. 4	.0	. 1	. 1	. 4	5.0	6.3	3.0	.0		15.3		
	22+	.0	.0	.0	.0	.0	. 1	.1	.0	.0		. 2		
	TOT %	2.5	. 8	.6	1.6	1.7	8.4	16.0	8.4	.0	1.2	41.1		
	0-3	1.0	1.0	. 4	.5	.4	1.3	1.2	1.0	.0	2.4	9.1		
10+	4-10	1.4	. 8	. 5	. 8	1.5	3.5	9.0	2.6	.0		20.1		
	11-21	. 4	. 1	.0	.0	. 2	2.3	7.0	3.2	.0		13.2		
	22+	.0	.0	.0	.0	.0	. 2	.0	.0	.0		. 2		
	TOT %	2.8	1.9	.9	1.4	2.0	7.4	17.2	6.8	.0	2.4	42.6		
	TOT OPS												418	
1	тот РСТ	7.7	2.9	2.2	3.2	4.1	18.1	37.6	20.4	.0	3.8	100.0		

NOVEMBER

PERIOD: (PRIMARY) 1922-1969 (DVER-ALL) 1890-1969

12815

TABLE 10

AREA 0021 BRODME 16.85 121.4E

97.4

2.6

33

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
DECURRENCE OF NH <5/8 BY HOUR

.0 .0 .0

					UC	CORREIN	CE UI			UUK			
HOUR (GMT)	000 149	150 299	300 599			2000 3499				8000+	TOTAL	NH <5/8 ANY HGT	
00603	.0	.0	.0	.0	.0	6.5	3.2	.0	.0	.0	9.7	90.3	
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.0	97.0	

.0 .0 2.6 .0 .0 2.3 .0 11.4 44 18821 .0 .0 .0 4.5 4.5 .0 88.6 TOT 136 146 93.2 100.0

TABLE 11

TABLE 12

					CUMULAT	IVE P	TO	FREQ	OF	RANGES	OF	VSBY	(NM)	AND/DR
PERCENT	FREQUENCY	VSBY	(NM) BY	HOUR		CEIL	ING	HGT	(F	EET, NH	>4/8), BY	HOUR	

HDUR <1/2 1/2<1 1<2 2<5 5<10 10+ TOTAL ORS HUUR <150 <600 <1000 1000+ NH <5/8 TOTAL (GMT) <50YD <1 <5 AND5+ AND 5+ DBS 00 603 0 £0300 .0 18.6 .0 50.4 31.0 129 . 0 .0 10.0 90.0 30 06609 .0 23.8 12815 .0 18621 .0 .0 .0 11.9 88.1 18621 .0 .0 38.7 55.9 .0 0 0 72 0 183 179 434 .0 42.2 41.2 100.0 TOT 0 0 0 10

	PERCI	ENT FR	EQUENCY	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP		247		PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-69	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.3	1.0	2.6	5.5	3.1	.0	48	12.5	1.2	.6	. 3	1.2	. 5	1.5	3.9	2.8	.0	.5
80/84	.0	.0	.0	.0	3.1	17.4	40.4	15.4	293	76.3	6.6	1.7	1.8	2.3	2.9	14.0	27.3	16.6	.0	3.1
75/79 10TAL	.0	.0	.0	.0	22	106		1.8		11.2	.3	.4	. 1	• 0	.0	3.1	6.4	1.0	.0	.0
PCT	.0	.0	.3	1.0	5.7	27.6	48.2				8.1	2.7	2.1	3.5	3.5	18.6	37.6	20.4	.0	3.6

TABLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIOIMU	BY 40U	\$
HOUR	мдх	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)	90	88	87	83	78	77	77	82.7	125	00803	.0	1.7	6.0	32.5	45.3	14.5	81	117
96609	89	88	88	84	79	77	77	83.6	82	90300	.0	2.6	10.3	38.5	39.7	9.0	78	78
12615	86	85	84	82	77	75	75	81.7	125	12615	.0	.9	2.5	21.4	53.8	21.4	84	117
18521	84	83	83	81	77	75	75	80.6	90	18621	.0	.0	4.5	20.5	53.4	21.6	84	88
TOT	90	9.0	RA	82	77	75	75	82 - 1	422	TOT	0		22	111	194	6.8	8.2	400

PERIOD: (PRIMARY) 1922-1969 (UVER-ALL) 1890-1969

TABLE 17

AREA 0021 BROOME 16.85 121.4E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	89	TOT	W	WD
TMP DIF	76	80	84	88	92		FOG	FOG
11/13	.0	.0	.0	.4	.0	1	.0	.4
7/8	.0	.0	.0	. 4	.0	1	.0	. 4
6	.0	.0	.0	. 8	.0	2	.0	. 8
5	.0	.0	.4	.4	.0	2 2 5	.0	. 8
4	.0	. 4	.0	1.2	. 4	5	.0	2.0
3	.0	. 4	2.0	2.8	.0	13	.0	5.3
6 5 4 3 2	.0	. 8	4.0	1.2	. 4	16	.0	6.5
1	.0	3.2	8.5	2.8	.0	36	.0	14.6
1 0 -1	. 4	4.0	15.4	2.0	.0	54	.0	21.9
-1	.0	6.5	10.5	2.0	.0	47	.0	19.0
-2	.0	4.5	9.7	. 4	.0	36	.0	14.6
-3	.0	1.6	5.3	.0	.0	17	.0	6.9
-4	.0	. 4	2.4	.0	.0	7	.0	2.8
-5	.0	.0	. 8	.0	.0	2	.0	. 8
-6	.0	. 4	1.6	.0	.0	2 5	.0	2.0
-7/-8	. 4	.4	.4	.0	.0	3	.0	1.2
TOTAL	2		151		2		0	247
		56		36		247		
PCT	. 8	22.7	61.1		. 8	100.0		100.0

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.8	1.6	.0	.0	.0	.0	3.4	1.8	. 2	.0	.0	.0	.0	2.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	2.7	.0	.0	.0	.0	2.7
3-4	.0	.0	. 9	.0	.0	.0	. 9	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	. C	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	1.6	.9	.0	• 0	.0	4.3	1.8	2.9	.0	.0	.0	.0	4.7
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	.0	.0	.0	.0	.0	. 9	1.8	. 9	.0	.0	.0	.0	2.7
1-2	.0	.0	.0	.0	.0	.0	.0	.0	. 9	.0	.0	.0	.0	. 9
3-4	.0	.0	.0	.0	• 0	• 0	.0	• 0	. 9	.0	.0	.0	.0	. 9
5-6	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	• 0	.0	• 0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	• 0	.0	.0	• 0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
61-70			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	.0	.0												
71-86	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
									.0 2.7					

•		*	e	2	6	,
P	д	U	E	7	0	٠

PERITO	: (0)	ER-ALL)	195	9-196	9				TABLE	19											
					PERCENT	FRE	QUENCY C	F WA	VE HEIG	HT (FT	r) vs	WAVE PI	ERIDO	SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	JATOT	MEAN
<6	3.1	21.9	10.2	4.7	.0	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	52	3
6-7	.0	.0	19.5	8.6	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	45	4
8-9	.0	.0	1.6	.0	2.3	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	6
10-11	.0	.8	3.9	.0	4.7	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	5
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
INDET	11.7	. 8	.0	. 8	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	0
TOTAL	19	30	45	18	13	3	0	0	0	0	0	0	0	0	0	0	0	0	0	128	3
PCT	14.8	23.4	35.2	14.1	10.2	2.3	•0	.0	.0	.0	.0	.0	•0	.0	•0	.0	.0	.0	.0	100.5	

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	22.3	5.4	. 9	.0	.0	.0	28.6	UBS
1-2	1.8	32.1	3.6	.0	.0	.0	37.5	
3-4	.0	5.3	8.9	.0	.0	.0	15.2	
5-6	.0	2.7	13.4	.0	.0	.0	16.1	
7	.0	.0	1.8	. 9	.0	.0	2.7	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								112
TOT PCT	24.1	46.4	28.6	.9	.0	.0	100.0	

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	22.3	5.4	. 9	.0	.0	.0	28.6	
1-2	1.8	32.1	3.6	.0	.0	.0	37.5	
3-4	.0	5.3	8.9	.0	.0	.0	15.2	
5-6	.0	2.7	13.4	.0	.0	.0	16.1	
7	.0	.0	1.8	.9	.0	.0	2.7	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71 04				•	0	0	^	

								IABLE	10 (004)	•				10.1	121	
				Pc	T FREQ D	F WIND	SPEED	(KTS)	AND DIREC	CTION V	ERSUS S	EA HEIG	HTS (FT)			
				S								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	. 9	.0	.0	.0	.0	.9		.0	.0	.0	.0	.0	.0	.0	
1-2	.0	2.5	.0	.0	.0	.0	2.5		.9	3.6	.0	.0	.0	.0	4.7	
3-4	.0	.0	.0	.0	.0	.0	.0		.0	. 2	. 9	.0	.0	.0	1.1	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	2.0	2.9	.0	.0	.0	5.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.9	.0	.0	. 9	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0-	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		• 0	.0	.0	.0	.0	.0	.0	
01-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.4	.0	.0	• 0	•0	3.4		.9	6.1	3.8	.9	.0	.0	11.7	
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	. 9	.0	.0	.0	.0	.0	.9		3.6	1.8	. 9	.0	.0	.0	6.3	
1-2	. 9	17.3	2.7	.0	.0	.0	20.9		.0	5.2	. 9	.0	.0	.0	6.1	
3-4	.0	5.2	5.6	.0	• 0	.0	10.8		.0	.0	1.6	.0	.0	.0	1.6	
5-6	.0	.7	5.9	.0	.0	.0	6.5		.0	.0	4.7	• 0	.0	.0	4.7	
7	.0	.0	1.8	.0	.0	.0	1.8		.0	.0	.0	.0	.0	.0	.0	
9-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	. 0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		• 0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		• 0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-50	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.8	23.2	16.0	.0	• 0	• 0	41.0		3.6	7.0	8.1	• 0	.0	.0	18.7	99.2

NOVEMBER

TABLE 18 (CONT)

PERIOD: (0VER-ALL) 1963-1969

AREA 0021 BROOME 16.85 121.4E

PERIOD: (PRIMARY) 1922-1971 (OVER-ALL) 1888-1971

TABLE 1

AREA 0021 BROOME 16.85 121.4E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

					E										
			Р	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WNO DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
N	1.8	.0	.0	.0	.0	.0	.0	1.8	.0	5.4	.0	.0	9.0	.0	83.6
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	.0	.0	6.7	.0	80.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	.0	.0	2.2	.0	93.4
SW	.0	. 7	.0	.0	.0	.0	.0	.7	.0	5.1	.0	.0	5.8	.0	88.4
W	.0	2.2	.0	.0	.0	.0	.0	2.2	.0	15.1	.0	.0	5.3	.0	77.3
NW	. 6	.0	.0	.0	.0	.0	.0	.6	.0	16.4	.0	.0	9.9	.0	73.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT TOT OBS:	339	.9	.0	•0	•0	.0	.0	1.2	.0	11.2	.0	.0	5.5	.0	81.1

TABLE 2

PERCENT	FREDUENCY	OF	WEATHER	DCCURRENCE	BY	HOUR

			P	RECIPI	TATION	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	RCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	.0	.9 .0 1.8	.0	.0	.0	.0	.0	.9 .0 1.8 1.6	.0	4.5 1.3 15.3 23.4	.0	.0	5.3 10.7 5.4 3.1	.0	88.3 88.0 76.6 71.9
TOT PCT	361	. 8	.0	.0	•0	.0	.0	1.1	•0	10.5	. 3	.0	5.4	.0	81.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	ID SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	4.9	2.3	. 1	.0	.0		8.1	9.2	3,3	5.1	19.2	11.4	10.3	8.5	.0	8.5
NE	. 1	1.7	. 1	.0	.0	.0		2.0	5.7	2.6	2.6	.0	2.3	.0	1.2	.0	6.1
F	1.2	. 9	.0	.0	.0	.0		2.1	3.8	3.3	6.4	3.8	.0	.0	.0	4.8	1.2
SE	. 3	1.1	. 8	.0	.0	.0		2.2	9.3	4.4	3.8	4.8	.0	. 4	.0	4.8	1.2
5	. 2	4.1	2.0			.0		6.6	10.5	10.3	3.8	6.7	5.7	6.3	6.1	.0	8.5
SW	.7	12.2	7.4			.0		20.3	9.6	22.8	32.1	13.5	17.0	16.3	18.3	25.0	18.3
W	1.7	21.1	10.4			.0		33.2	9.0	37.5	30.8	26.9	28.4	31.7	35.4	50.0	29.3
NH	2.4	13.9	8.5			.0		25.2	9.5	14.3		25.0	35.2	34.9	30.5	15.5	25.8
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	. 3				•			.3	.0	1.5	.0	.0	.0	.0	.0	. 0	. 0
TOT OBS	26	206	108	2	0	0	343	• • •	9.2	68	39	26	44	63	41	21	41
TOT PCT	7.6	60.1	31.5	. 9		.0	243	100.0		100.0		100.0	100.0		100.0		100.0

т	۸	0	r	F	2	Δ

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT FREQ	MEAN SPD	00	06 09	12 15	18 21
N NE	2.3	5.5	. 3	.0	.0		8.1	9.2	4.0	14.3	9.6	5.6
	1.6	. 4	.0	.0								
E	1.8	.3	.0	.0	.0		2.1	3.8	4.4	1.4	.0	2.4
E SE	. 8	1.1	.0	.0	.0		2.2	9.3	4.2	1.8	. 2	2.4
S	1.2	4.8	.6	.0	.0		6.6	10.5	7.9	6.1	6.3	5.6
SW	5.7	12.7	1.9	.0	.0		20.3	9.6	26.2	15.7	17.1	20.6
	10.9	20.5	1.9	.0	.0		33.2	9.0	35.0	27.9	33.2	36.3
N NW	6.9	16.6	1.7	.0	.0		25.2	9.5	14.7	31.4	33.2	23.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	. 3	-					. 3	.0	.9	.0	.0	.0
TOT DAS	108	212	23	0	0	343		9.2	107	70	104	62
TOT POT	11 6	41.0	4 7	. 0	- 0		100.0		100.0	100.0	100-0	100.0

DECEMBER

PERIOD: (PRIMARY) 1922-1971 (OVER-ALL) 1888-1971

TABLE 4

AREA 0021 BROOME 16.85 121.4E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21		KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL
00803	. 9	8.4	68.2	22.4	.0	.0	.0	7.8	100.0	107
90300	.0	7.1	55.7	35.7	1.4	.0	.0	9.9	100.0	70
12615	.0	5.8	51.0	42.3	1.0	.0	.0	10.2	100.0	104
18821	.0	8.1	66.1	24.2	1.6	.0	.0	8.9	100.0	62
TOT .	1	25	206	108	3	0	0	9.2		343
DCT	3	7.3	60 1	31 5		- 0	. 0		100.0	

TABLE 5

....

P	CT FRE			DIREC		EIGHTHS)		PERCENTAGE FREQUENCY OF CEILING HEIGHTS (F AND OCCURRENCE OF NH <5/8 BY WIND DI										
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/B ANY HGT	TOTAL OBS
N	8.3	2.3	.0	.0		1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.6	
NE	. 3	.0	.0	.0		1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 3	
E	1.1	.0	1.1	. 9		4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 9	2.3	
SE	2.3	. 3	. 3	.3		1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 3	2.9	
5	4.3	3.2	3.2	.0		3.2	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	9.5	
SW	8.9	3.2	4.6	.0		2.8	.0	.0	.0	.0	1.1	1.1	.0	.0	.0	.0	14.4	
w	22.4	5.9	3.2	3.4		2.5	.0	.0	.0	.0	1.1	2.3	.0	.0	.0	.0	32.5	
NW	17.8	. 3	. 3	1.1		1.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	18.4	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TUT DBS	57	14	11	5	87	2.3	.0	0	0	0	4	3	0	0	0	1	79	87
TOT PCT	65.5	15.1	12.6	5.7	100.0		.0	.0	.0	.0	4.6	3.4	.0	• 0	.0	1.1	90.8	100.0

TABLE 7

CUMULATIVE	PCT FRES	OF SIMULTA	ANEOUS	DCCURRENCE
		(NH >4/8)		

				VSBY (NM	1)			
CEILING	- OR	- DR	. DR	= DR	= DR	- OR	- DR	- DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- OR >6500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
■ DR >5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
■ DR >3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
■ GR >2000	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5
■ DR >1000	8.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1
■ DR >500	8.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1
■ DR >300	8.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1
• OR >150	8.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1
• DR > 0	8.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1
TOTAL	7	8	8	8	8	8	8	8

TOTAL NUMBER OF 085: 88 PCT FREQ NH <5/8: 90.9

TABLE 74

PERCENTAGE FREW OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD 08S 32.6 26.1 15.2 10.9 4.3 2.2 3.3 3.3 2.2 .0 92

D				

PERIOD: (PRIMARY) 1 (OVER-ALL) 1	922-1971 888-1971						14	8LE 6				ARE	A 0021 BRDDME 16.85 121.4E
		P	ERCENT	PREC	F WIN	DIRE	CTION TH VAR	VS DCC	URRENC	E OR N	IBILIT	URRENC	E OF
VSBY (NM)		N	NE	€	SE	5	SW	×	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP ND PCP	.7	•0	.0	.0	.0	.0	1.8	0.0	.0	.0	6.5	
	TOT %	• 7	• 0	.0	. 1	• 1	.9	1.8	2.8	.0	.0	6.5	
2<5	PCP ND PCP TGT %	.0	.0	.000	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP ND PCP	•1	1.6	.0	.0	1.9	12.4	.7	15.0	.0	.0	1.2	
30.00	TOT %	4.3	1.6	:7	. 7	1.9	12.5	16.7	15.2	.0	.0	53.7	
10+	PCP NO PCP TOT %	3.2 3.2	.4	1.1 1.1	.0 1.3 1.3	4.6	6.9	14.7 14.7	7.2 7.2	.0	.3	39.8 39.8	
	TOT OBS	8 • 2	5.0	1.8	2.2	6.7	20.4	33.2	25.2	.0	. 3	100.0	339

TABLE 9

				PERCEN	T FREQ				VS WI		ED			
VSBY (NM)	SPD	N	NE	ε	se	5	5 W	×	NW	VAR	CALM	PCT	TOTAL	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	. 0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	0-3	.0	.0	.0	.0	.0	.0	.0	. 3	.0	.0	.3		
1<2	4-10	. 3	.0	.0	.0	.0	.3	.7	1.6	.0		2.9		
	11-21	. 4	.0	.0	. 1	. 1	.6	1.0	.9	.0		3.2		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.7	• 0	.0	- 1	. 1	.9	1.8	2.8	.0	.0	6.5		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	. 0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	0-3	.7	• 1	.3	.0	.0	.6	.9	1.2	.0	.0	3.8		
5<10	4-10	2.2	1.5	. 4	. 7	.9	7.8	12.1	8.0	.0		33.6		
	11-21	1.2	.0	.0	.0	. 7	4.1	3.7	5.6	.0		15.3		
	22+	. 1	.0	.0	.0	. 3	.0	.0	. 4	.0		. 9		
	TOT %	4.3	1.6	.7	.7	1.9	12.5	16.7	15.2	.0	.0	53.7		
	0-3	.0	.0	.6	. 3	.2	. 1	.8	.7	.0	.3	2.9		
10+	4-10	2.4	. 3	. 5	. 4	3.2	4.3	8.3	4.5	.0		23.9		
	11-21	. 7	• 1	.0	.7	1.2	2.6	5.7	2.1	.0		13.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	3.2	. 4	1.1	1.3	4.6	6.9	14.7	7.2	.0	. 3	39.8		
	OT ORS							** *	25.2				339	
1	OT PCT	8.2	2.0	1.8	2.2	6.7	20.4	33.2	25.2	.0	, 3	100.0		

DECEMBER

PERIOD: (PRIMARY) 1922-1971 (OVER-ALL) 1888-1971

TABLE 10

AREA 0021 BROOME 16.85 121.4E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
60300	.0	.0	.0	.0	11.1	7.4	.0	.0	.0	3.7	22.2	77.8	27
06809	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	24
12815	.0	.0	.0	.0	4.5	4.5	.0	.0	.0	.0	9.1	90.9	22
18821	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	17
TOT	0	0	0	0	4.4	3.3	0	0	0	1	8.9	82	90

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	.0	5.4	.0	56.8	37.8	111	00803	.0	.0	.0	22.2	77.8	27
90360	.0	•0	10.7	•0	45.3	44.0	75	90300	.0	.0	.0	.0	100.0	24
12815	.0	.9	6.3	•0	60.4	32.4	111	12815	.0	.0	.0	10.0	90.0	20
18821	.0	• 0	3.1	.0	56.3	40.6	64	18821	.0	.0	.0	.0	100.0	17
TOT PCT	.0	.3	6.4	0	200 55.4	137	361 100.0	TOT PCT	.0	.0	.0	9.1	90.9	88

TABLE 13

TABLE 14

			-																
Y TEMP	N BY T	RECTIO	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP TOTAL PCT PERCENT FREQUENCY OF WIND DIRE																
NW VAR CALM	NW	W	SW	S	SE	E	NE	N	FREQ	DBS	90-100	80-89	70-79	60-69	50-59	40-49	30-39	0-29	TEMP F
.2 .0 .0	.2	. 2	. 2	.6	.0	.0	.0	• 2	1.3	4	.0	.0	.0	.9	.3	.0	.0	.0	90/94
	5.5	5.9	3.4	1.6	.6	.6	.5	2.7	20.8	66	.6	8.2	9.8	2.2	.0	.0	.0	.0	85/89
	19.2	25.6	17.5	4.6	.6	1.3	1.7	5.4	76.0	241	7.3	53.6	12.9	1.6	.6	.0	.0	.0	80/84
.2 .0 .0	. 2	1.7	.0	.0	.0	.0	.0	.0	1.9	6	.6	.9	.0	.0	. 3	.0	.0	.0	75/79
									100.0	317	27	199	72	15	4	0	0	0	TOTAL
.1 .0 .0	25.1	33.4	21.1	6.8	1.3	2.0	2.1	8.3			8.5	62.8	22.7	4.7	1.3	.0	.0	.0	PCT
	25.	33.4	21.1	6.8	1.3	2.0	2.1	8.3			8.5	62.8	22.7	4.7	1.3	.0	.0	.0	PCT

TARLE 15

TABLE 16

	MEANS,	EXTREME	S AND	PERCEN	ITILES	OF TE	MP (DE	G F1 B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOU	1
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
£0300	90 92	89 91	87 89	84	80 81	79 80	79	83.8	113	£0300 90300	.0	1.9	6.8	25.2	61.2	4.9	80 79	103
12615	87 85	86	85	83	80	79 79	79 79	82.7	106	12615	.0	1.9	2.8	13.2	67.0	15.1	84	106
TOT	92	89	87	83	80	79	79	83.4	355	TOT	0	4	17	76	214	28	82	339

PERIOD: (PRIMARY) 1922-1971 (OVER-ALL) 1888-1971

TABLE 17

AREA 0021 BRODME 16.85 121.4E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

						-	70.000
AIR-SEA	77	81	85	89	TOT	w	WD
TMP DIF	80	84	88	92		FOG	FOG
7/8	.0	.0	.0	. 4	1	.0	. 4
6	.0	. 4	.0	.0	1	.0	.4
5	.0	. 4	. 8	. 4	4	.0	1.5
4	.0	1.5	.0	.0	4	.0	1.5
3	.0	. 4	1.1	. 8	6	.0	2.3
2	. 4	3.0	2.3	.0	15	.0	5.7
1	. 8	5.7	4.9	.0	30	.0	11.4
2 1 0	1.1	13.3	4.6	.0	50	.0	19.0
-1	2.3	16.7	2.3	.0	56	. 4	20.9
-2	2.3	14.4	2.3	.0	50	.0	19.0
-3	1.5	8.0	.0	.0	25	.0	9.5
-4	1.1	4.6	.0	.0	15	.0	5.7
~5	.0	. 8	.4	.0	3	.0	1.1
-6	.0		.0	.0	2	.0	. 8
-7/-8	.0	. 4	.0	.0	1	.0	. 4
TOTAL	25		49			1	262
		185		4	263	-	
PCT	9.5		18-6	1.5	100.0	.4	99.6

PERIOD: (DVER-ALL) 1963-1971

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 23-40 41-48 61-70 71-86 87+ TOT PC 1-3 4-10 1-3 11-21 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 1-3 11-21 22-33 48+ 1-3 48+

									DECEMBER							
PERIOD:	COVE	R-ALL)	1963-1	971									AREA	0021		
								TABLE	18 (CDN))				16.	85 121	.4E
				0.					AND DIRE	CTION	VEDEUE .		UTC / ET	,		
					PREU	UF WIND	SPEED	(K12)	AND DIRE	CITUM	.Ev202	SEN HEIG	m13 (F)	,		
				S								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	1.4	.0	.0	.0	.0	1.4		.0	1.4		.0	.0	.0	1.4	
1-2	.0	6.1	1.0	.0	.0	.0	7.1		.0	8.8		.0	.0	.0	10.5	
3-4	.0	.0	1.0	.0	.0	• 0	1.0		.0	1.4		.0	.0	.0	4.4	
5-6	.0	.0	.0	.0	.0	.0	.0		• 0	1.4		.0	.0	.0	2.4	
7	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	.0	
R-9	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0		.0	• 0	.0		.0	:0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	•0	.0		.0			.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
TOT PCT	.0	7.4	2.0	.0	.0	.0	9.5		.0	12.8	5.7	.0	.0	.0	18.6	
				W								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	PCT
<1	.0	3.7	.0	.0	• 0	.0	3.7		1.4	1.7		.0	.0	.0	3.0	
1-2	.0	16.2	5.4	.0	.0	.0	22.6		1.4	8.8		.0	.0	.0	13.2	
3-4	.0	.0	2.4	.0	.0	.0	2.4		.0	.0		.0	.0	.0	3.0	
5-6	.0	2.7	5.7	.0	.0	.0	8.4		.0	.0		.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	•0	.0		.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	•0	• 0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	• 0	• 0	.0		.0	.0		.0	.0	.0	.0	
17-19 20-22	.0	.0	.0	.0	.0	•0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	:0		.0	.0	.0	.0	
24-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40		.0		.0	.0		.0		.0			.0	.0	.0	.0	
41-48	.0	.0	.0	.0	•0	.0	.0		.0			.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	•0	.0		.0			.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	. 0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	. 0		.0	.0	.0	.0	
TOT PCT	.0	22.6	14.5	.0	.0	.0	37.2		2.7	10.5		.0	.0	.0	19.3	100.0

	WIND	SPEED	(KT5)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.3	10.7	.0	.0	.0	.0	12.0	003
1-2	2.7	45.3		.0	.0	.0	64.0	
3-4			16.0		.0	.0	10.7	
	.0	1.3	9.3	.0	.0			
5-6	.0	4.0	9.3	.0		.0	13.3	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	. 0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
					.0	.0	.0	
41-48	• 0	.0	.0	.0	.0			
49-60	.0	.0	.0	.0		.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								75
TOT PCT	4.0	61.3	34.7	.0	.0	.0	100.0	

PERIOD	: (ov	ER-ALL	1 196	5-1971					TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEI	GHT (F1	r) vs	WAVE P	ERIOD	SECON	05)						
ERIDO SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	9.3	52.0	10.7	4.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	2
6-7	.0	.0	6.7	4.0	.0	.0	1.3	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	4
8-9	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
10-11	.0	2.7	.0	1.3	.0	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
>13	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	.0	.0	.0	1.3	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
PCT	9.3	54.7	17.3	12.0	1.3	2.7	2.7	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3

PERIOD: (PRIMARY) 1922-1973 (UVER-ALL) 1856-1973

TABLE 1

AREA 0021 BRODME 16.75 121.3E

PERCENT FREQUENCY OF WEATHER DCCURRENCE BY WIND DIRECTION

					Lincale	. KE WE									
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		NO SIG WEA
N	2.5	1.7	.7	.0	•0	.0	.0	4.5	1.4	4.2	.9	.0	11.9	.0	77.1
NE	4.3	2.2	. 3	.0	.0	.0	.0	6.7	. 4	4.2	2.0	.0	4.0	.0	83.2
E	1.3	2.2	.4	.0	•0	.0	.0	3.7	. 9	3.6	1.0	.0	3.4	.0	87.5
SE	1.1	2.6	.2	.0	.0	.0	.0	3.9	.6	2.8	. 8	.0	3.4	.0	88.5
5	1.3	1.6	.1	.0	• 0	.0	.0	3,1	.3	3.1	.7	.0	3.2	.0	90.1
SW	. 8	1.4	.0	.0	.0	.0	.0	2.1	.0	4.4	2.9	.0	4.0	.0	86.8
W	.5	1.1	.1	.0	.0	.0	.0	1.7	. 1	7.3	3.2	.0	4.6		83.2
NW	1.1	2.2	. 3	.0	.0	.0	.0	3.3	.3	7.1	1.9	.0	7.3	.0	80.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6	1.0	.4	•0	• 0	•0	.0	1.9	.8	5.8	.3	.0	7.1	.0	84.7
TOT PCT TOT OBS:	1.3	1.5	.2	.0	•0	.0	.0	3.0	.4	5.0	1.2	.0	4.9	.0	85.6

TABLE 2

DEDCENT	EDERHENCY	DE	WEATHER	DECLIPRENCE	RV	MOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00803 06809 12815 18821	1.3 .6 1.5 2.2	1.7 1.6 1.9 1.1	.1 .2 .3	.0	.0		.0	3.2 2.3 3.5 3.5	:4 :2 :4 :6	1.7 .3 7.5 11.3	1.7 1.2 1.5 1.0	.0	6.5 6.9 4.1 2.2	.0	86.7 89.1 83.3 82.0
TOT PCT	6305	1.6	.2	.0	•0	.0	-0	3,2	.4	5.0	1.4	.0	5.0	.0	85.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	oTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	.9	3.2	1.3	.3	.1	.0		5.8	8.3	3.8	5.2	6.0	7.4	7.8	5.1	5.2	5.2
NE	. 7	3.1	1.5	.3		.0		5.6	8.4	5.9	5.6	6.0	5.9	5.7	5.9	4.1	5.2
E	1.0	6.2	4.1	. 7		.0		12.0	9.5	15.3	16.0	15.7	10.9	9.1	8.1	11.2	10.0
SE	1.3	8.3	5.5	1.2		.0		16.2	9.8	20.2	21.8	16.2	14.0	11.5	15.4	11.8	17.5
S	1.2	7.6	2.1	.2		.0		11.1	8.3	14.0	11.6	9.1	9.6	8.8	10.8	10.7	13.0
SW	1.6	11.1	4.4			.0		17.4	8.2	17.6	17.8	13.3	17.0	18.0	19.7	16.3	18.1
W	1.4	10.9	5.1	.3				17.7	7.9	13.7	13.2	17.3	19.3	20.4	20.2	21.8	18.7
NW	1.0	5.6				.0		9.7	8.3	5.7	6.5	9.9	13.4	13.2	10.8	8.9	9.5
VAR	.0	.0	.0			.0		.0	.0	.0	.0	.0	.0	.0	.0		. 0
CALM	4.4	• •	• 0	• •	• •	.0		4.4	.0	3.8	2.3	6.6	2.6		4.1	9.9	2.7
TOT DBS	4.4						6090		9.0	1187	766		715	1169	617	500	671
TOT PCT	13.5	55.9	26.7	3.5	.3		5090	100.0			100.0						

TANIE 24

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18
								3.0	0.5		.,	
N	2.8	2.2	.5	.2	.0		5.8	8.3	4.4	6.8	6.9	5.3
NE	2.4	2.5	.6	.1	.0		5.6	8.4	5.7	5.9	5.7	4.7
E	3.9	5.7	2.1	. 2	.0		12.0	9.5	15.6	12.7	8.7	10.4
SE	5.3	7.8	2.8	.2	.0		16.2	9.8	20.8	14.9	12.8	15.2
5	4.7	5.9	.6		.0		11.1	8.3	13.2	9.3	9.5	12.1
SW	6.6	9.8	1.0	*			17.4	8.2	17.6	15.6	18.5	17.3
W	6.0	10.0	1.5	. 1	*		17.7	7.9	13.5	18.5	20.4	19.8
NW	3.5	5.1	1.0	.2	.0		9.7	8.3	6.1	12.0	12.3	9.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.4						4.4	.0	3.2	4.2	5.1	5.8
TOT DAS						6090		9.0	1953	1180	1786	1171
TOT PCT	19.6	49.1	10.1	1.1	*		100.0		100.0	100.0	100.0	100.0

								ANNUAL						
PERIOD:	(PRIMARY) (DVER-ALL)	1922-197 1856-197						TABLE 4				AREA	BROOME .75 1	21.3E
				PER	CENTAGE	FREGU	ENCY OF	WIND SP	EED BY	HOUR	(GMT)			
		HOUR	CALM	1-3	4-10			(KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL		
		00603 06609 12615 18621	3.2 4.2 5.1 5.8	9.1 8.6 9.0 9.7	56.4 56.1 56.2 54.6	26.8 27.7 26.7 25.6	4.0 3.1 2.9 4.0	.1	.0	9.2	100.0 100.0 100.0	1953 1180 1786 1171		
		TOT PCT	4.4	9.1	55.9	26.7	3.5			9.0		6090		

			T	ABLE 5								T	ABLE 6					
P	CT FRE			CLOUD A		EIGHTHS)			PERCEN	TAGE F	REQUEN	CY DF	CEILIN NH <5/	G HEIG	HTS (T,NH	>4/8) DN	
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	MEAN CLOUD COVER	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499			NH <5/8 ANY HGT	
N	3.8	1.0	.9	.9		2.2	.0	.0	.0	. 5	.4	.4	,0	.0	.0	.0	5.3	
NE	3.4	. 4	1.0	1.0		2.6	.0	.0	.0	. 3	. 7	. 2	.1	.0	.0	.0	4.5	
E	9.3	1.2	1.1	. 9		2.5	.0	.0	*	.1	. 3	. 5	*	.0	.0	. 2	11.4	
SE	9.8	1.2	1.6	1.2		2.4	.0	.0	. 1	. 3	. 8	. 2	. 2	. 2	.1	. 1	11.8	
5	8.0	1.3	1.2	. 8		2.5	.0	.0	. 1	. 3	. 2	.4	. 3	.0		.0	9.9	
SW	10.6	2.0	2.4	. 5		1.9	.0	.0	.0	.1	.6	.6	. 2	.0	*	. 1	13.9	
W	11.6	3.7	2.1	1.3		2.0	.0	.0	.0	. 2	. 9	.6	. 1	.0	.1	1	16.7	
NW	5.3	1.2	1.4	. 8		1.7	.0	.0	.0	*	. 7	.4	. 1	.0	.0	. 1	7.4	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	5.3	.6	.7	.7		1.8	.0	.0	• 1	• 5	. 1	. 2	• 1	• 1	.0	.2	5.4	
TOT PCT	67.0	12.5	12.4	8.1	1887	2.1	.0	.0	.3	1.9	4.8	3.5	.9	• 2	.2	. 8	87.3	1887

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NM	1)			
CEILING	= DR	- OR	= DR	= OR	= DR	= OR	- OR	- DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
■ DR >5000	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
■ DR >3500	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
■ DR >2000	5.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7
 DR >1000 	8.7	10.1	10.3	10.4	10.4	10.4	10.4	10.4
■ DR >600	9.7	11.8	12.1	12.3	12.4	12.4	12.4	12.4
■ DR >300	9.8	12.0	12.4	12.6	12.7	12.7	12.7	12.7
■ DR >150	9.8	12.0	12.4	12.6	12.7	12.7	12.7	12.7
. DR > D	9.0	12.0	12 4	12.6	12.7	12 7	12 7	12 7

TOTAL NUMBER OF OBS: 1898 PCT FREQ NH <5/81 87.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

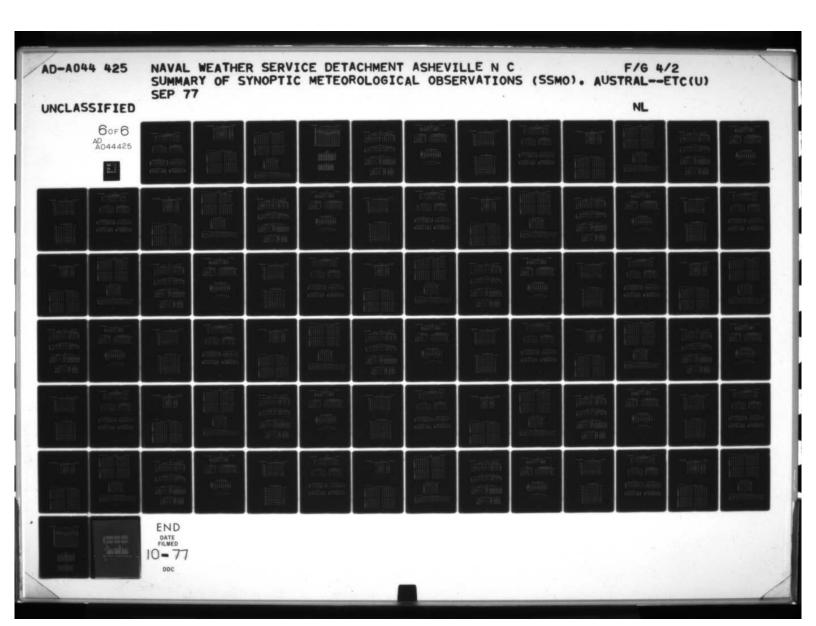
0 1 2 3 4 5 6 7 8 085CD OBS 44.6 20.3 10.7 6.7 4.0 2.3 3.0 1.9 6.4 .0 2005

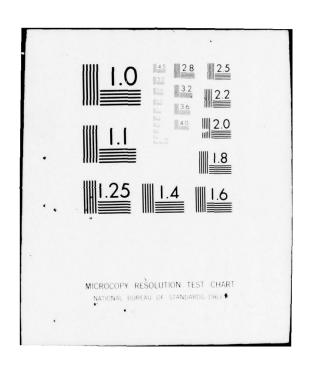
	N		

								-							
PERIOD:	(PRIMARY) 1 (OVER-ALL) 1							TA	BLF B				ARE	A 0021 BR 16.7	DDME 5 121.3
			Р	ERCENT	FREQ PREC	OF WIN	D DIRE	CTION TH VAR	VS DCC	URRENC!	E OR N	IBILI	CURRENC TY	E OF	
	VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
		PCP	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	*		
	<1/2	NO PCP	*	.0	.0	.0	.0	.0	.0	.0	.0				
		TOT %		• 0	.0	.0	.0	.0	.0	.0	.0	*	. 1		
		PCP	.0	.0	.0	.0		.0	.0	.0	.0	.0			
	1/2<1	NO PCP	.0		.0	.0				.0	.0	.0			
		TOT *	.0		.0	.0		*		.0	.0	.0			
		PCP	*	*		.1	.0		.0		.0		. 2		
	1<2	NO PCP	.6	. 2	. 2	. 4	. 4	.9	1.0	1.0	.0	. 2	4.8		
		TOT *	.6	• 2	. 2	. 5	. 4	. 9	1.0	1.1	.0	. 2			
		PCP	• 1	• 1		. 1		.0			.0	.0	. 4		
	2<5	NO PCP	• 0		.1	*	.0			*	.0		. 2		
		TOT %	• 1	• 1	. 1	. 1		*	. 1	. 1	.0		.6		
		PCP	• 2	.4	.3	.4	. ?	.3	.2	. 2	.0		2.2		
	5<10	NO PCP	2.5	2.5	5.9	9.1	5.5	8.4	8.5	4.8	.0	1.7	48.8		
		TOT %	2.7	2.9	6.2	9.5	5.6	8.7	8.7	4.9	.0	1.7	51.0		
		PCP		*		*		. 1			.0		. 2		
	10+	NO PCP	2.4	2.3	5.2	6.1	5.1	7.7	8.0	3.7	.0	2.4	42.9		
		TOT *	2.4	2.3	5.2	5.2	5.1	7.7	8.0	3.8	.0	2.5	43.2		
		TOT DBS												5965	
		TOT PCT	5.9	5.6	11.8	16.2	11.2	17.4	17.8	9.8	.0	4.4	100.0		

TABLE 9

(NH) KTS 0-3	SRY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
C1/2 4-10 * * * 10 0<	(MM)	KTS												DBS
11-21 .0		0-3		.0	.0	.0	.0				.0	*	.1	
22+ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1/2	4-10				.0	.0	.0			.0		.1	
TOT x * * * * .0 .0 .0 .0 .0 .0 .0 .0 * .1		11-21		*		.0	.0	.0			.0			
TOT x * * * * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 /2<1 4-10 .0 * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 11-21 .0 .0 .0 .0 .0 .0 * * * .0 .0 .0 .0 .0 .0 .1 22+ .0 .0 .0 .0 .0 * * * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 1<2 0-3 .1 * * * * * .1 .1 .1 .1 .0 .2 .7 11-21 .1 * .1 .1 .1 .2 .2 .5 .5 .5 .5 .0 .0 .2 .5 11-21 .1 * * 1 .1 .1 .1 .3 .4 .3 .0 .1 .5 22+ .1 * * .1 .1 .1 .3 .4 .3 .0 .1 .5 22+ .1 * * .1 .1 .1 .1 .0 .2 .5 .5 .5 25		22+		.0	.0	.0	.0	.0	.0	.0	.0		.0	
\(\begin{array}{cccccccccccccccccccccccccccccccccccc		TOT %	*	*	*	.0	.0	.0	.0	.0	.0		. 1	
11-21 .0 .0 .0 .0 .0 .0		0-3	.0	.0	.0	.0	.0	*	.0	.0	.0	.0		
11-21 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	/2<1	4-10	.0		.0	.0	*			.0	.0		. 1	
22+ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		11-21	.0	.0	.0					.0	.0			
TOT X .0 * .0 .0 * * * .0 .0 .0 .0 .1 1<2 4-10		22+	.0				*	*	.0	.0	.0			
142 4-10		TOT %	.0	*	.0		*		*	.0	.0	.0	.1	
11-21		0-3	. 1			*	*	.1	.1		.0	.2	.7	
11-21 .1 * .1 .1 .1 .3 .4 .3 .0 1.5 22+ .1 * * .1 .1 .1 .1 .3 .4 .3 .0 .4 TOT % .6 .2 .2 .5 .4 .9 1.0 1.1 .0 .2 5.1 2<5 4-10 * * .1 * .0 * * .0 .0 .2 11-21 .0 .1 * * * * .0 * * .0 .0 .2 22+ .1 * * * * .0 .2 27- TOT % .1 .1 .1 .1 .1 .1 .1 .1 .0 * .6 0-3 .5 .3 .4 .8 .6 .9 .7 .5 .0 1.7 6.4 22+ .2 .2 .4 .8 .1 .1 .2 .2 .3 1.7 .0 14.1 22+ .2 .2 .2 .4 .8 .1 .1 .3 .2 .0 .2 11-21 .6 .8 2.1 3.3 1.1 2.2 2.3 1.7 .0 14.1 22+ .2 .2 .2 .4 .8 .1 .1 .3 .2 .0 .2 11-21 .5 .5 1.9 2.1 3.4 3.5 5.6 5.7 .5 .3 .0 2.5 6.1 10+ 4-10 1.4 1.5 2.5 3.4 3.6 5.0 5.0 2.6 .0 25.0 11-21 .5 .5 1.9 2.1 3.3 3.4 .8 .6 .0 .11.1 10+ 4-10 1.4 1.5 2.5 3.4 3.6 5.0 5.0 5.0 2.6 .0 25.0 11-21 .5 .5 1.9 2.1 3.3 3.4 .8 .6 .0 .1 .1 22+ .1 * 3 3 3 3	1<2	4-10	. 4	. 1	. 1	. 2	. 2	.5			.0		2.5	
22+ .1 * * .1 .1 * * .1 .0 .4 .4 .5 .1 .0 .2 .5 .1 .0 .2 .5 .1 .2 .2 .5 .4 .9 .1 .0 .1 .1 .0 .2 .5 .1 .2 .2 .5 .4 .9 .2 .1 .1 .1 .0 .2 .5 .1 .2 .2 .2 .5 .4 .9 .2 .2 .2 .5 .4 .9 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2		11-21	. 1		. 1		. 1	. 3	. 4	. 3	.0		1.5	
2<5		22+	. 1	*						. 1	.0			
2<5		TOT %	.6	.2	. 2	. 5	. 4	.9	1.0	1.1	.0	. 2	5.1	
22+ 2				.0	.0	.0	.0	.0						
22+ 2	2 < 5	4-10		*	. 1	*	.0	*			.0			
22+ * * * * * * 0 * * * * 0 0 .2 TOT % .1 .1 .1 .1 .1 .1 .0 * .6 0-3 .5 .3 .4 .8 .6 .9 .7 .5 .0 1.7 6.4 5<10 4-10 1.4 1.5 3.4 4.5 3.8 5.6 5.4 2.6 .0 28.2 11-21 .6 .8 2.1 3.3 1.1 2.2 2.3 1.7 .0 14.1 22+ .2 .2 .4 .8 .1 .1 .3 .2 .0 2.3 TOT % 2.7 2.9 6.3 9.5 5.6 8.7 8.7 4.9 .0 1.7 51.1 10+ 4-10 1.4 1.5 2.5 3.4 3.6 5.0 5.0 2.6 .0 2.5 6.1 11-21 .5 .5 1.9 2.1 .9 2.0 2.4 .8 .0 11.1 11-21 .5 .5 1.9 2.1 .9 2.0 2.4 .8 .0 11.1		11-21	.0	. 1	*	*	*				.0		. 2	
0-3 .5 .3 .4 .8 .6 .9 .7 .5 .0 1.7 6.4 5<10 4-10 1.4 1.5 3.4 4.5 3.8 5.6 5.4 2.6 .0 28.2 11-21 .6 .8 2.1 3.3 1.1 2.2 2.3 1.7 .0 14.1 22+ .2 .2 .4 .8 .1 .1 .3 .2 .0 2.3 10T % 2.7 2.9 6.3 9.5 5.6 8.7 8.7 4.9 .0 1.7 51.1 0-3 .4 .3 .5 .4 .5 .7 .5 .3 .0 2.5 6.1 10+ 4-10 1.4 1.5 2.5 3.4 3.6 5.0 5.0 2.6 .0 25.0 11-21 .5 .5 1.9 2.1 .9 2.0 2.4 .8 .0 11.1 22+ .1 * 3 3 3 3 * * * * * 0 0 1.8		22+					.0				.0		. 2	
5<10 4-10 1.4 1.5 3.4 4.5 3.8 5.0 5.4 2.0 0 28.2 1.1-21 6.8 2.1 3.3 1.1 2.2 2.3 1.7 0 14.1 22+ 2.2 2.2 2.4 8.1 1.3 2.2 2.3 1.7 0.0 1.7 51.1 0-3 4.3 5.4 5.5 5.6 8.7 8.7 4.9 0.0 1.7 51.1 10+ 4-10 1.4 1.5 2.5 3.4 3.6 5.0 5.0 5.0 2.6 0 25.0 11-21 5.5 1.9 2.1 3.9 2.0 2.4 8.0 11.1 1.2 2.5 3.4 3.6 5.0 5.0 5.0 2.6 0 25.0 11-21 5.5 1.9 2.1 3.9 2.0 2.4 8.0 11.1 1.2 2.5 3.3 3.3 8 8 8 8 0 11.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1		TOT %	. 1	• 1	. 1	. 1		. 1	. 1	.1	.0		.6	
11-21 .6 .8 2.1 3.3 1.1 2.2 2.3 1.7 .0 14.1 22+ .2 2.4 .8 .1 .1 .3 .2 .0 2.3 TOT % 2.7 2.9 6.3 9.5 5.6 8.7 8.7 4.9 .0 1.7 51.1 0-3 .4 .3 .5 .4 .5 .7 .5 .3 .0 2.5 6.1 10+ 4-10 1.4 1.5 2.5 3.4 3.6 5.0 5.0 2.6 .0 25.0 11-21 .5 .5 1.9 2.1 .9 2.0 2.4 .8 .0 11.1 22+ .1 * 3 3 3 * * * * * 0 8		0-3	.5	.3	. 4	. 8	.6		. 7		.0	1.7		
22+ .2 .2 .4 .8 .1 .1 .3 .2 .0 2.3 TOT % 2.7 2.9 6.3 9.5 5.6 8.7 8.7 4.9 .0 1.7 51.1 0-3 .4 .3 .5 .4 .5 .7 .5 .3 .0 2.5 6.1 10+ 4-10 1.4 1.5 2.5 3.4 3.6 5.0 5.0 2.6 .0 25.0 11-21 .5 .5 1.9 2.1 .9 2.0 2.4 .8 .0 11.1 22+ .1 * 3 .3 .3 * * * * 0 0 18	5<10	4-10	1.4	1.5	3.4	4.5	3.8				.0		28.2	
22+ .2 .2 .4 .8 .1 .1 .3 .2 .0 2.3 TOT % 2.7 2.9 6.3 9.5 5.6 8.7 8.7 4.9 .0 1.7 51.1 0-3 .4 .3 .5 .4 .5 .7 .5 .3 .0 2.5 6.1 10+ 4-10 1.4 1.5 2.5 3.4 3.6 5.0 5.0 2.6 .0 25.0 11-21 .5 .5 1.9 2.1 .9 2.0 2.4 .8 .0 11.1 22+ .1 * 3 3 3 3 * * * * * 0 0 8		11-21	.6	. 8	2.1	3.3	1.1	2.2	2.3		.0		14.1	
TOT % 2.7 2.9 6.3 9.5 5.6 8.7 8.7 4.9 .0 1.7 51.1 0-3 .4 .3 .5 .4 .5 .7 .5 .3 .0 2.5 6.1 10+ 4-10 1.4 1.5 2.5 3.4 3.6 5.0 5.0 2.6 .0 25.0 11-21 .5 .5 1.9 2.1 .9 2.0 2.4 .8 .0 11.1 22+ .1 * 3 3 3 3 * * * * * 0		22+	. 2	. 2	. 4	. 8	. 1	. 1	. 3		.0		2.3	
10+ 4-10 1.4 1.5 2.5 3.4 3.6 5.0 5.0 2.6 .0 25.0 11-21 .5 .5 1.9 2.1 .9 2.0 2.4 .8 .0 11.1 22+ .1 * 3 .3 * * * * * 0 .8		TOT %	2.7	2.9		9.5	5.6	8.7	8.7	4.9	.0	1.7	51.1	
11-21 .5 .5 1.9 2.1 .9 2.0 2.4 .8 .0 11.1 22+ .1 * .3 .3 * * * * .0 .8						.4						2.5		
11-21 .5 .5 1.9 2.1 .9 2.0 2.4 .8 .0 11.1	10+				2.5	3.4								
22+ .1 * .3 .3 * * * * .0 .8					1.9				2.4				11.1	
TOT % 2.4 2.3 5.2 6.1 5.1 7.7 8.0 3.7 .0 2.5 43.0						. 3								
		TOT %	2.4	2.3	5.2		5.1	7.7	8.0	3.7	.0	2.5	43.0	
TOT PCT 5.9 5.6 11.9 16.2 11.1 17.4 17.8 9.8 .0 4.4 100.0		OT ORS						17.4	17.8	9.8				59





								ANNU	AL					
PERIOD: (PRIMARY) (OVER-ALL								TABLE	10			AR		BROOME .75 121.3
				PER	ENT P	REQUEN	CY DF	CEILIN	G HE I C	HTS (F	EET, NH	>4/81 4	ND	
	HOUR (GMT)	000	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
	00603	.0	.0	.4	2.2	6.7	5.5	1.4	. 2	.0	. 7	17.2	82.8	503
	06600	.0	.0	.4	2.4	3.0	2.7	.3	.2	. 2	. 9	10.2	89.8	471
	12815	.0	.0	•0	1.9	4.0	2.4	.2	.0	.2	.9	9.5	90.5	500
	18621	.0	.0	•2	1.1	4.5	2.8	1.7	.4	.2	.6	11.4	88.6	501
	TOT PCT	.0	.0	.3	1.9	4.7	3.4	.9	.2	.2	.8	12.3	87.7	1975

				TABLE 1	1						TABLE	15		
		PERCENT	FREQUEN	ICY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	AND/DR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.2	•1	6.3	.6	55.0	37.8	2041	00803	.0	.4	3.2	14.1	82.6	485
06609	.1	.0	6.4	.4	45.2	47.6	1214	06609	.0	.4	3.6	7.3	89.2	461
12815	• 5	.4	5.1	.6	56.1	37.7	1857	12615	.0	.2	3.0	7.5	89.4	471
18621	.1	•2	2.0	• 7	48.9	48.2	1224	18821	.0	.5	2.2	10.2	87.6	481
TUT PCT	. 2	• 2	5.7	.6	52.2	41.7	6336	TOT PCT	.0	.4	3,0	10.1	86.9	1898

				т.	ABLE 1	3									TABL	E 14				
	PERCE	ENT FR	EQUENC	Y OF R	ELATIVE	E HUMI	DITY B	TEMP				PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTION	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0		.7	. 3	. 2		.0		.8	.1	. 1	- 1	.1	. 2	• 1	.1	.1	.0	
85/89	.0	.1	.4			7.2	6.0	.6		18.0	1.3	. 9	1.6	1.7	1.5	3.5	4.2	2.3	.0	1.0
80/84	.0	. 1	.7	2.3	4.9	10.0	19.9	4.5		42.4	3.1	2.7	4.1	4.8	3.6	7.4	9.3	5.9	.0	1.5
75/79	.0	. 2	1.4				5.9	3.1		27.2	1.0	1.3	3.6	6.1	4.1	5.2	3.7	1.1	.0	1.2
70/74	.0				2.5	1.8	1.7	1.3		10.0	.3	. 4	1.9	3.3	1.4	1.2	.6	. 4	.0	. 4
65/69	.0		. 2	. 3	.5	.3	.1	.1		1.5	.0		.5	. 7	.1	.1			.0	.1
60/64 TOTAL	.0	.0	• • •			•	.0	.0	5001	100.0	•0	•0	.0		•	.0	.0	.0	.0	.0
PCT	.0	.5	3.4	9.8	15.2	28.0	33.6	9.5			5.7	5.4	11.8	16.8	10.8	17.6	17.9	9.8	.0	4.2

				TAP	LE 15									TABLE	16			
	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TE	MP IDE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	DF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	MAX	998	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803		87 88	85	81 82	75 78	73	63	80.0	2004 1170	00803	.0	14.9	17.5	29.4	31.4	3.5	73 71	1699
18621	90	85	84	80	76	74	60	79.9	1824	12615	.0	10.7	11.3	25.7	37.7	13.1	76	1025
TOT	94	87	85	81	75	73	60	80.1	6179	TOT	0	799	872	1476	1664	480	74	5291

ANNUAL

PERIOD: (PRIMARY) 1922-1973 (DVER-ALL) 1856-1973

TABLE 17

AREA 0021 BROOME 16.75 121.3E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

			1000							A STATE OF THE PARTY OF THE PAR			
AIR-SEA	61	65	69	73	77	81	85	89 92	>92	TOT	W	WO	
TMP DIF	64	68	72	76	80	84	88	45			FOG	FOG	
14/16	.0	.0	.0	.0	.0			.0	.0	2	.0	.1 .3 .3 1.2 1.2	
11/13	.0	.0	.0	.0	. 1		. 1	. 1	.0	5	.0	. 3	
9/10	.0	.0	.0	.0	. 1	.1	.1	.0		11	.0	. 3	
7/8	.0	.0		. 2	. 2	. 3	.4	. 1		47	.0	1.2	
	.0	.0		. 2	.4	.2	.4	.1	.0	47	.0	1.2	
5	.0	.0	*	. 2	.4	. 5	.5	. 2	.0	66		1.7	
4	.0	*	.1	. 1	. 9	. 8	. 8	. 3		122	.0	3.1	
6 5 4 3 2 1	.0	.0	. 1	.3	.8	1.2	1.4	. 5	.0	168	. 2	7.1	
2	.0	.0	. 2	.9	1.4	2.2	2.3	. 3	.0	278	. 2	7.1	
1	.0	.0	.4	1.6	2.9	4.3	3.5	. 1	. 0	488	.4	12.5	
0	.0	.0	.4	2.1	4.0	6.6	3.8		.0	642	. 8	16.2	
-1 -2 -3	.0	. 1	.4	2.2	3.7	6.5	3.0	. 1	.0	601	.5	15.6	
-2	.0	*	.4	2.4	3.0	6.5	1.1	.0	.0	516	. 2	13.2	
-3	.0	*	.7	1.5	2.7	3.7	.6	.0	.0	364	• 1	9.2	
-4	.0	*	.6	1.4	1.6	2.0	.2	.0	.0	236		9.2	
-5	.0		.3	. 8	.7	.6	. 1	.0	.0	100	.0	2.6	
-6	.0	. 1	.3	. 5	.4	.3	*	.0	.0	65	.0	1.6	
-7/-8	.0	. 2	.5	. 2	.4	. 2	.0	.0	.0	58	.0	1.4	
-9/-10	*	. 1	. 1	. 1		.0	.0	.0	.0	18	.0		
-11/-13	.0	*		. 1	.0	.0	.0	.0	.0	4	.0	:1	
TOTAL										3842			
PCT	*	. 7	4.6	14.9	23.8	36.1	18.2	1.7	.1	100.n	2.2	97.B	

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

								1	TREE 18							
				Pc	T FREO	OF WIND	SPEED	(KTS)	AND DI	RECTIO	IN V	ERSUS S	EA HEIG	HTS (FT	1	
				N									NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-		10	11-21	22-33	34-47	48+	PCT
<1	.5	1.2	.0	.0	.0	.0	1.7			2 .	. 4	.0	.0	.0	.0	.7
1-2	. 2	1.8	.5	.0	• 0	.0	2.5				.9	.2	.0	.0	.0	2.2
3-4	.0	.6	.6	.01	.0	.0	1.3				.0	1.0	.0	.0	.0	1.9
5-6	.0	. 1	. 1	. 1	.0	.0	.2			0	.1	.2	• 1	.0	.0	.4
7	.0	.0	.0	.2	.0	.0	. 2			0	.0	.2		.0	.0	. 2
8-9	.0	.0	.0	.1	.0	• 0	. 1				.0	.0	•1	.0	.0	. 1
10-11	.0	.0	.0	.1	• 0	.0	. 1			0	.0	.0	•0	.0	.0	.0
12	.0	.0	.0	.0	• 1	• 0	. 1			0	.0	.0	.0	.1	.0	. 1
13-16	.0	.0	. 1	.0	.0	.0	- 1		:		.0	.0	•0	.0	.0	.0
	.0	.0	.0	.0	.0	• 0	.0		:		.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	•0	.0		:		.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	• 0	.0			0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	•0	.0		:		.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	•0	.0		:		.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	•0	.0		:		.0	.0	.0	.0	.0	.0
01-70	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	3.8	1.3	.5	.1	.0	6.3				.4	1.6	.2	.1	.0	5.7
101 .41	•	3.0		• •		• • •	0.5		200							
				F									SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-		10	11-21	22-33	34-47	48+	PCT
<1	.5	.7	.0	.0	.0	.0	1.2				.6	.0	.0	.0	.0	1.9
1-2	. 2	3.1	.9	.0	.0	• 0	4.2				.1	. 9	.0	.0	.0	6.1
3-4	. 1	1.4	2.1	. 1	.0	.0	3.6				.4	2.0		.0	.0	3.4
5-6	.0	.1	1.8	.3	• 0	• 0	2.3				. 2	1.6	.4	.0	.0	2.3
7	.0	.0	.6	.3	.0	•0	. 9			0	.0	.6	.1	.0	.0	.7
8-9	.0	.0	.0	.1	.0	.0	. 1				.0	. 3	. 5	.0	.0	. 5
10-11	.0	.0	.0	.1	• 1	• 0	. 2			0	.0	.0	. 5	.0	.0	. 2
12	.0	.1	.0	.1	• 0	• 0	. 1				. 1	.0	.0	.0	.0	. 1
13-16	.0	.0	.0	.0	• 0	.0	.0			0	.0	.0	• 0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0				.0	.0	• 0	.0	.0	.0
23-25	.0	.0	.0	.0	• 0	• 0	.0			0	.0	.0	•0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	• 0	.0			0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	•0	.0			0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		:		.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		:		.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0			Ö	.0	.0	.0	.0	.0	.0
TOT PET	.7	5.5	5.4	1.0	.1	.0	12.6			4 8	. 4	5.4	1.0	.0	.0	15.2
cor Fer		2.0	2.4	1.0	.1	• 10	15.0					,,,	1.0	• •	. 0	12.6

									ANNUAL							
PERIOD:	COVE	R-ALL)	1963-1	973					18 (CONT)				AREA	0021	75 121	25
								TABLE	TO (CUNI)					10.	12 121	. 36
				PC	T FREQ D	F WIND	SPEED	(KTS)	AND DIREC	TION	VERSUS	SEA HEIG	HTS (FT)		
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	
<1	. 8	1.4	. 1	.0	.0	.0	2.3		.7	1.5		.0	.0	.0	2.2	
1-2	. 1	4.5	. 8	.0	• 0	.0	5.5		• 2	7.0		.0	.0	.0	8.4	
3-4	.0	1.5	1.1	. 1	• 0	.0	2.7		.0	1.2		.0	.0	.0	3.0	
5-6	.0	. 1	. 2	.1	• 0	.0	.4		.0	. 6		.0	.0	.0	1.9	
7	.0	.0	. 1	.0	•0	.0	.1		.0	.0		.1	.0	.0	. 1	
8-9	.0	.0	.0	*	•0	.0	*		.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	• 0	.0	.0		.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	• 0	• 0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	• 0	• 0	.0		.0	.0		.0	.0	.0	.0	
17-19	.0	. 0	.0	.0	• 0	• 0	.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	•0	• 0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	• 0	.0	.0		.0	.0		.0	.0	1 .0	.0	
33-40	.0	.0	.0	.0	•0	• 0	.0		.0	.0		.0	.0	.0	.0	
		.0			•0	• 0	.0		.0	.0		.0		.0		
41-48	.0	.0	.0	.0	•0	•0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	.0	
71-86		.0	.0	.0	•0	• 0	.0		.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
TOT PET	1.0	7.5	2.3	.2	•0	•0	11.0		.8	10.4	4.4	.1	.0	.0	15.6	
			د.,	•-	• 0	•0	11.0		10			••	••		13.0	
				W								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.5	1.5	.0	.0	• 0	• 0	2.0		. 8	1.3		.0	.0	.0	2.1	
1-2	. 2	5.8	1.4	.0	.0	• 0	8.4		.2	3.5	. 5	.0	.0	.0	4.2	
3-4	.0	1.5	2.7	.0	.0	.0	4.2		.0	. 5		.1	.0	.0	1.7	
5-6	.0	.5	2.0	. 2	• 0	.0	2.7		a O				.0	.0	.6	
7	.0	.0	.5	. 1	.0	.0	. 5		.0	. 0		.0	.0	.0		
8-9	.0	.0	.0	.0	.0	• 0	.0		• 0	.0		.0	.0	.0	. 1	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	• 0	• 0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	. 1	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	. 0		. 1	.0	.0	. 1	
20-22	.0	.0	.0	.0	• 0	.0	.0		.0	. 0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	• 0	• 0	.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	• 0	.0		•0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	•0	.0	.0		•0	. 0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	•0	• 0	.0		• 0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		• 0	.0		.0	.0	.0	.0	
TOT PCT	. 7	10.3	6.5	.2	.0	.0	17.8		. 9	5.6	2.1	.2	.0	.0	8.8	92.9

	WIND	SPEED	(KT5)	VS SEA	HEIGHT	(FT)			
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT	
<1	11.7	9.6	. 2	.0	.0	.0	21.5	003	
1-2	1.3	33.6	6.4	.0	.0	.0	41.3		
3-4	.1	9.4	12.0	.3	.0	.0	21.8		
5-6	.0	1.7	7.8	1.2		.0	10.7		
7	.0	.0	2.0	. 8	.0	.0	2.8		
8-9	.0	.0	.3	.6	.0	.0	.9		
10-11	.0	.0	.0	. 3	.1	.0	. 4		
12	.0	. 1	.0	.1	. 2	.0	. 4		
13-16	.0	.0	.1	.0	.0	.0	.1		
17-19	.0	.0	.0	.1	.0	.0	.1		
20-22	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		
33-40	. 0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		
								1308	
TOT PCT	13.1	54.5	28.9	3.3	.3	.0	100.0		

PERIO	o: (av	ER-ALL	1 196	5-196	9					TABLE	19											
					PERCENT	FRE	QUENCY	DF	WAV	E HEIG	HT (F	7) VS	WAVE P	FRIOD	(SECON	55)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11		12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
(6	8.1	28.4	14.7	5.4	1.0	.5	.0		. 1	.0	.1	.0		.0		.0	.0	.0	.0	.0	771	2
6-7	. 2	1.5	5.9	6.4	2.6	.5	.6		. 3	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	263	5
A-9	.0	. 4	1.0	1.9	1.9	. 8	.2		. 1	. 4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	98 78	7
10-11	.0	.9	1.4	1.4		.5	.1		.1	. 3	:0	. 2	. 1	.0	.0	.0	.0	.0	.0	.0	78	6
12-13	.0	.0	.4	. 1	.0	. 1	.1		.0	.0	.0	.1	.0			.0	.0	.0	.0	.0	11	8
>13	.0	.0	.0	.2	.0	. 1	.0		. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
>13 INDET	7.3	. 4	. 4	.4	. 2	.0	.1		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	122	1
TOTAL						-															1347	3
PCT	15.6	31.7	24.8	15.9	6.5	2.3	1.0		.7	. 8	. 3	. 4	.1	.0	.0	.0	.0	.0	.0	.0	100.5	

PERIOD:	(PRIMARY)	1922-1973	
	* m	1054 1070	

TABLE 30

AREA 0021 BROOME 16.75 121.3E

1030-1						IADE	. 20						10.13	121.30
			PERCE	NT FRE	OUENCY	DF 00	CURREN	ICE OF	SEA TE	EMP (DE	G F) E	BY MONTH		
SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NDV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	. 8	. 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 4	5	• 1
89/90	2.5	3.3	4.5	.0	.0	.0	.0	.0	.0	.0	.0	1.5	36	. 9
87/88	12.8	19.3	18.2	10.2	1.0	1.7	.0	.0	• 0	.0	5.1	9.3	240	6.1
85/86	41.1	34.0	38.7	35.4	12.1	1.7	.0	.0	.0	4.1	17.6	28.7	677	17.1
83/84	28.5	25.2	25.0	34.2	28.0	6.6	.5	.6	4 . 1	14.8	27.5	35.1	744	18.8
81/82	12.3	8.8	6.8	12.0	22.4	11.3	4.7	3.9	5.1	29.6	32.5	16.8	535	13.5
79/80	1.7	6.9	3.8	2.8	16.0	24.3	18.9	24.3	20,4	27.8	12.5	6.7	554	14.0
77/78	. 3	2.3	.7	3.4	7.2	22.4	17.6	19.1	33.8	15.2	3.1	1.5	427	10.8
75/76	.0	.0	1.4	1.2	4.5	16.6	26.2	23.0	21.7	6.7	1.6	.0	358	9.1
73/74	.0	.0	1.0	. 6	4.9	8.3	14.7	14.9	8.6	1.9	.0	.0	197	5.0
71/72	.0	.0	.0	. 3	3.7	5.0	9.8	7.4	4.1	.0	.0	.0	113	2.9
69/70	.0	.0	.0	.0	.0	1.1	6.4	2.3	1.6	.0	.0	.0	42	1.1
67/68	.0	.0	.0	.0	.0	1.1	1.2	2.9	.6	.0	.0	.0	20	.5
65/66	.0	.0	.0	.0	.0	.0	.0	1.0	• 0	.0	.0	.0	3	. 1
63/64	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	2	. 1
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52 49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	0	.0
35/36	.0		.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0		.0	.0	.0	.0	.0		• 0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	:0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	358	306	292	325	.0	.0	408	109	.0	.0	.0	.0	0	.0
MEAN	84.7	84.6	84.7	83.9	486	362	75.7	76.0	77.2	270	255	268	3953	100.0
HE MIT	04.1	04.0	04.7	03.7	81.0	78.0	15.1	10.0	11.05	00.2	82.5	83.9	81.0	

TABLE 21

PR	ES	SURE	. (MB.

			AV	ERAGE	BY HOU	R (GMT)				
										TOTAL	
MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	OBS	
JAN	1007	1006	1006	1003	1005	1005	1007	1004	1005	485	
FEB	1008	1008	1006	1006	1007	1007	1006	1007	1007	397	
MAR	1009	1009	1008	1007	1009	1009	1007	1008	1009	433	
APR	1012	1010	1011	1009	1011	1011	1011	1010	1011	577	
MAY	1014	1012	1012	1011	1013	1013	1013	1013	1013	632	
JUN	1015	1014	1013	1013	1015	1014	1015	1014	1014	550	
JUL	1016	1015	1015	1014	1016	1015	1015	1014	1015	588	
AUG	1015	1014	1014	1012	1015	1014	1014	1013	1014	550	
SEP	1015	1014	1013	1012	1014	1013	1013	1012	1013	547	
DCT	1013	1011	1011	1010	1012	1011	1011	1011	1011	416	
NOV	1011	1010	1009	1008	1009	1009	1009	1008	1009	425	
DEC	1009	1007	1007	1005	1007	1007	1006	1006	1007	362	
ANN	1012	1011	1010	1009	1011	1011	1011	1010	1011	5962	
085	1157	733	461	702	1121	608	498	682			

P	F	R	C	E	N	т	Ī	L	E	5

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	993	995	999	1003	1006	1008	1011	1014	1015
FEB	996	998	1001	1005	1007	1009	1012	1014	1015
MAR	995	998	1003	1007	1009	1010	1012	1014	1015
APR	1002	1004	1007	1009	1011	1012	1014	1015	1017
MAY	1007	1008	1009	1011	1013	1014	1016	1018	1019
JUN	1008	1009	1010	1013	1014	1016	1018	1019	1020
JUL	1008	1010	1012	1014	1015	1017	1019	1020	1021
AUG	1009	1009	1011	1013	1014	1015	1017	1018	1019
SEP	1008	1009	1010	1012	1013	1015	1017	1018	1021
DCT	1005	1006	1008	1010	1012	1013	1015	1016	1020
NOV	1004	1005	1006	1008	1009	1010	1013	1015	1019
DEC	1000	1001	1003	1005	1007	1008	1010	1011	1013

JANUARY

PERIOD: (PRIMARY) 1926-1973 (DVER-ALL) 1880-1973

TABLE 1

AREA 0022 CAPE TALBUT 13.15 126.7E RECTION

DEGCENT	ERFOUENCY	DE	WEATHER	DCCURRENCE	RV	WIND	DIRECTION
PERCENT	PREQUENCY	UF	MENITER	DCCOKKENCE	01	MINO	DIKECITON

					ENCEN	FREGO	ENC!	n wewlines			110 0				
			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N NE	3.3	9.0	3.3	.0	.0	.0	.0	15.6	.0	11.5	.0	.0	4.3	.0	73.0
E SE	24.7	10.1	.0	.0	.0		.0	34.8	.0	3.8	.0	.0	3.4	.0	55.1 58.5
S SW	19.0	13.8	.0	.0	.0		.0	32.8	.0	9.0	.0	.0	.0	.0	84.6
NW W	7.5	1.7	.0	.0	.0	.0	.0	5.2 9.2 .0	2.1	15.0	5.2	.0	1.0	.0	79.7
CALM	4.8	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	95.2
TOT PCT TOT DBS:	8.6 303	4.0	.7	.0	.0	.0	.0	13.2	.7	8.3	1.7	.0	1.0	.0	75.9

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN			HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00803 06809 12815 18821	10.6 6.3 8.8 7.8	5.9 .0 3.9 6.3	1.2 .0 1.0	.0	•0	.0	.0	17.6 6.3 13.7 14.1	.0 1.0 1.6	1.2 1.6 10.8 18.8	2.4 1.6 1.0 1.6	.0	.0 2.0 1.6		78.8 90.5 72.5 64.1
TOT PCT	8.6	4.1	.6	.0	•0	.0	.0	13.4	.6	8.0	1.6	.0	1.0	.0	76.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPE	ED (KN	DTS)									(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	1.7	5.8	2.4	.2	.0	.0		10.3	6.7	6.9	13.6	10.9	15.0	12.7	13.4	5.7	4.7
NE	. 3	4.4	2.9	.3	.0	.0		8.0	10.7	3.7	12.1	7.8	13.3	7.0	14.3	4.2	14.1
E	.5	4.4	2.4	.3	.0	.0		7.6	8.7	10.6	9.1	5.2	13.3	4.0	7.1	5.2	
SE	.6	2.3				.0		4.2	8.1	7.9	4.5	2.1	3.3	2.0	5.4	5.2	3.1
5	.5	2.7	1.4	.0	.0	.0		4.6	8.4	6,5	4.5	3.1	5.7	3.7	7.1	3.6	3.1
SW	1.2	7.5	4.3			.0		12.9	8.9	18.1	13.6	17.7	3.3	13.0	5.4	12.5	3.1
W	2.3	14.8			.0	.0		31.5	10.4	31.9	27.3	24.5	23.3	39.7	24.1	40.1	15.5
NW	. 8	8.5	3.5			.0		14.1	9.9	8.8	9.1	14.1	8.3	14.0	19.6	19.3	23.4
VAR	.0	.0				.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.9	• •			•••			6.9	.0	5.6	6.1	14.6	13.3	4.0	3.6	4.2	12.5
TOT OBS	47	160	102	8	0	0	317		8.9	54	33		15	75	28	48	15
TOT PCT	14.8	50.5				.0	311	100.0								100.0	

TABLE 3A

WHO DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL DBS	PCT	MEAN SPD	00	06 09	(GMT) 12 15	18
N	3.9	5.7	.7	.0	.0		10.3	8.7	9.5	11.9	12.9	5.5
NE F	3.7	5.8	.9	.0	.0		7.6	8.7	10.1	7.1	4.9	9.0
SE	2.7	. 7	. 8	.0	.0		4.2	8.1	6.6	2.4	2.9	4.7
F SE SW	1.9	2.7	.0	.0	.0		12.9	8.4	16.4	14.3	10.9	10.2
W	8.0	8.7	3.9	.0	.0		31.5	10.4	30.2	24.2	35.4	34.0
NW	5.4	7.1	1.7	.0	.0		14.1	9.9	8.9	12.7	15.5	20.3
CALM	.0	.0	.0	.0	.0		6.9	•0	.0	14.3	3.9	6.3
TOT DES	119	170	28	0	0	317		8.9	5.7	63	103	64
TOT PET	37.5	53.6	8.8	.0	.0		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1926-1973 (DVER-ALL) 1880-1973

TABLE 4

AREA 0022 CAPE TALBUT 13.15 126.7E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEFO (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DBS
00603	5.7	6.9	60.9	25.3	1.1	.0	.0	8.5	100.0	87
90300	14.3	7.9	44.4	30.2	3.2	.0	.0		100.0	63
12615	3.9	7.8	51.5	35.0	1.9	.0	.0	9.3	100.0	103
18821	6.3	9.4	40.6	39.1	4.7	.0	.0	9.8	100.0	64
TOT	22	25	160	102	8	0	0	8.9		317
PCT	6.9	7.9	50.5	32.2	2.5	.0	.0		100.0	

TABLE 5

P	CT FRE			LDUD A		EIGHTHS)							CEILIN					
WND DIR			5-7		TOTAL	MEAN		150	300	600	1000	2000	3500	5000			NH <5/8	TOTAL
MNO DIX	0-2	3-4	5-1	OBSC D	OBS	CLOUD	000 149	299	599	999	1999	3499	4999	6499	7999	8000+	ANY HGT	
N	.0	5.0	4.0	1.8		5.1	.5	.0	.0	1.4	.0	.0	.0	.0	.0	.0	8.8	
NE	. 7	.7	2.5	2.7		5.7	.0	.0	.0	1.4	.7	.0	.0	.0	.0	. 2	3.8	
E	.0	1.4	. 5	.7		4.9	.0	.0	.0	.0	.7	.0	.0	.0	.0	. 5	1.4	
SE	.7	1.6	.7	.7		4.7	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	2.3	
S	. 5	1.1	.0	1.3		5.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	1.6	
SW	3.4	2.3	5.4	4.0		5.0	.0	.0	.0	.0	3.2	. 2	.0	.0	.0	. 4	11.3	
W	6.8	7.7	13.5	7.0		5.0	.0	.0	.7	.0	1.3	2.7	. 7	.0	.0	3.1	26.6	
NW	5.0	3.8	5.8	3.2		4.5	. 2	.0	.7	2.2	.7	. 7	.0	.0	.0	. 2	13.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.2	1.4	.7	1.4		3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	
TUT DBS	27	35	46	31	139	4.9	1	0	2	7	13	5	1	0	0	6	104	139
TOT PCT	19.4	25.2	33.1	22.3	100.0		.7	.0	1.4	5.0	9.4	3.6	. 7	.0	.0	4.3	74.8	100.0

TABLE 7

			or	CTHILL TANEDUS	DECLIBBENC
CUMULATIVE	PCT	FRED	UF	SIMULTANEOUS	DCCORRENC
DE CETITI	IC HE	TOUT	(NF	>4/R) AND V	SBY (NM)

					VSBY (NM)			
CFIL	ING	• DR	- DR	= DR	= OR	= DR	- DR	- OR	- DR
(FEE	11	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR >6	500	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
OR >5	000	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
OR >3	500	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
OR >2	000	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
OR >1	000	15.0	17.1	17.1	17.9	17.9	17.9	17.9	17.9
DR >6		17.1	20.7	22.1	22.9	22.9	22.9	22.9	22.9
DR >3	00	18.6	22.1	23.6	24.3	24.3	24.3	24.3	24.3
OR >1	50	18.6	22.1	23.6	24.3	24.3	24.3	24.3	24.3
OR >		18.6	22.1	23.6	24.3	24.3	25.0	25.0	25.0
	TAL	26	31	33	34	34	35	35	35

TOTAL NUMBER OF OBS: 140 PCT FREO NH <5/8: 75.0

TABLE 74

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085CD 085 8.1 19.4 14.4 16.9 13.1 2.5 5.0 3.8 16.3 .6 160

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							JA	NUARY						
(PRIMARY) 1 (OVER-ALL) 1	926-1973 880-1973						TA	BLE 8				ARE	A 0022	TALBO 126.7
		PI	RCENT						URRENCE ALUES				E OF	
VSBY (NM)		N	NE	E	SF	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
<1/2	PCP NO PCP	• 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3		
	TOT .*	• 2	.0	.0	.0	.0	.0	.0	. 1	.0	.0	.3		
	PCP	• 0	.0	.5	. 2	. ?	. 2	.0	.0	.0	.0	1.0		
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	•0	• 0	.5	. 2	• 5	. 2	.0	.0	.0	.0	1.0		
	PCP	• 0	. 3	.0	. 3	. 2	.2	.0	.0	.0	.0	1.0		
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3		
	TOT %	• 0	. 3	.0	.3	• 5	. 2	. 3	.0	.0	.0	1.3		
	PCP	.0	. 3	.0	.0	.0	.0	.0	.7	.0	.0	1.0		
2<5	NO PCP	. 4	• 2	.0	.0	.0	.0	.0	. 4	.0	.0	1.0		
	TOT %	.4	. 5	٠,	.0	.0	.0	.0	1.1	.0	.0	2.0		
	PCP	1.0	.8	1.8	. 8	. 8	.3	. 8	.5	.0	.3	7.3		
5<10	NO PCP	3.1	3.9	2.6	1.4	2.1	3.5	9.2	3.0	.0	3.6	32.3		
	TOT %	4.0	4.7	4.5	2.2	2.9	3.8	10.1	3.5	.0	4.0	39.6		
	PCP	.3	.3	. 2	. 2	. 4	.2	. 8	. 1	.0	.0	2.6		
10+	NO PCP	5.0	1.7	2.1	1.4	1.2	8.6	20.5	9.6	.0	3.0	53.1		
	TOT %	5.4	2.1	2.4	1.7	1.5	8.7	21.4	9.7	.0	3.0	55.8		

TOT DBS TOT PCT 10.1 7.6 7.3 4.4 4.8 12.9 31.8 14.3 .0 6.9 100.0

TABLE 9

VSEY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS												085
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+ TOT %	.2	.0	.0	.0	.0	.0	.0	.1	.0		.3	
	101 %	. 2	•0	.0	.0	.0	.0	.0	••	.0	.0		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
1/2<1	4-10	.0	.0	. 2	. 2	. 2	. 2	.0	.0	.0		. 7	
	11-21	.0	.0	. 3	.0	.0	.0	.0	.0	.0		. 3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	. 5	.2	. 2	. 2	.0	.0	.0	.0	1.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	. 4	. 2	.0	.0	.0	.0	.0	.0		.7	
	11-21	.0	.0	.0	. 3	. 2	. 2	. 3	.0	.0		1.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.4	.2	.3	.2	. 2	.3	.0	.0	.0	1.6	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	. 4	1.1	. 3	.0	.0	.0	.0	. 4	.0		2.3	
	22+	.0	.0	.0	.0	.0	.0	.0	. 7	.0		.7	
	TOT *	.4	1 • 1	.3	.0	.0	.0	.0	1.1	.0	.0	2.9	
	0-3	.8	.3	.3	.3	. 3	.5	1.1	.5	.0	3.9	8.1	
5<10	4-10	2.6	2.4	2.3	. 9	1.2	2.3	4.1	2.8	.0		18.6	
	11-21	.6	1.5	1.5	1.0	1.3	1.0	4.4	. 2	.0		11.4	
	22+	.0	. 3	. 3	.0	.0	.0	. 3	.0	.0		1.0	
	TOT %	4.0	4.6	4.4	2.2	2.9	3.7	9.9	3.4	.0	3.9	39.1	
	0-3	.7	.0	.2	.3	. 2	.7	1.2	.3	.0	2.9	6.5	
10+	4-10	3.1	1.7	1.9	1.3	1.4	4.6	10.1	5.5	.0		29.6	
	11-21	1.5	.3	.3	.0	.0	3.3	9.8	3.0	.0		18.2	
	22+	.0	.0	.0	.0	.0	.0	.0	. 7	.0		. 7	
	TOT %	5.3	2.0	2.4	1.6	1.5	8.6	21.1	9.5	.0	2.9	55.0	

PERIOD: (PRIMARY) 1926-1973 .

TABLE 10

AREA 0022 CAPE TALBUT 13.15 126.7E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
60300	.0	.0	•0	10.3	13.8	3.4	.0	.0	.0	.0	27.6	72.4	29
05609	.0	.0	.0	2.6	2.6	2.6	2.6	.0	.0	.0	10.3	89.7	39
12815	.0	.0	2.6	5.1	10.3	7.7	.0	.0	.0	10.3	35.9	64.1	39
18621	2.3	.0	2.3	2.3	9.3	.0	.0	.0	.0	4.7	20.9	79.1	43
TOT	1 . 7	.0	2	4.7	8.7	3.3	.7	.0	.0	4.0	35 23.3	115	150

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY V58	Y (NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.0	1.2	1.2	.0	50.6	47.1	85	00603	.0	.0	10.3	17.2	72.4	29
90330	.0	1.6	.0	4.7	34.4	59.4	64	90340	.0	.0	2.6	7.9	89.5	38
12615	.0	.0	2.9	2.9	42.3	51.9	104	12815	.0	2.8	8.3	30.6	61.1	36
18621	1.5	1.5	1.5	4.6	29.2	61.5	65	18821	2.7	5.4	13.5	13.5	73.0	37
TOT	.3	.9	1.6	2.8	128	172 54.1	318	PCT	.7	2.1	12	17.1	104	140

TABLE 13

TABLE 1

	PERC	ENT FR	EQUENC	Y OF R	ELATIVE	HUMI	DITY B	Y TEMP		PCT		PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTIO	N BY TE	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	. 4	.0	.0	.0	.0	.0	1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
90/94	.0	.0	.4	. 8	. 8	. 8	.0	. 4	8		1.3	.4	. 4	.0	.0	.0	.0	.0	.0	1.3
85/89	.0	.0	.0	. 8	4.6	22.9	7.9	. 8	89	37.1	3.1	.6	2.9	1.3	1.0	6.8	12.1	4.3	.0	5.0
80/84	.0	.0	.0	.0	. 8	13.8	33.3	5.8	129	53.8	3.8	2.8	4.1	2.0	3.5	7.7	19.5	8.8	.0	1.7
75/79	.0	.0	.0	.0	.0	.0	2.9	2.5	13		.0	. 4	1.5	1.0	1.0	. 2	. 7	. 5	.0	.0
TOTAL	0	0	2	4	15	90	106	23	240	100.0										
PCT	.0	.0	. 8	1.7	6.3	37.5	44.2	9.6			8.1	4.3	8.9	4.3	5.6	14.7	32.3	13.5	.0	8.3

TAPLE 15

TABLE 16

	MEANS,	EXTREME	S AND	PERCEN	ITILES	OF TEN	P (DE	G F)	BY HOUR	
HOUR (GMT)	мдх	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	
00803	94	93	93	85 85	79 78	77	77	85.1	92	
12615	90 87	88	86	83	8n 78	76 75	76 75	83.4	106	
TOT	95	94	89	84	79	75	75	84.1	327	

	PERC	ENT FRE	QUENCY	DF RELA	TIVE H	UMIDITY	BY HOUR	3
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	.0	4.6	10.8	50.0	33.8	6.2	78	65
12815	.0	1.2	1.2	34.9	50.0	12.8	82	86
18821	.0	.0	.0	24.5	64.2	11.3	83	53
TOT	0	6	17	95	109	23	80	250

JANUARY

PERIOD: (PRIMARY) 1926-1973 (DVER-ALL) 1880-1973

TABLE 17

AREA 0022 CAPE TALBUT 13.15 126.7E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

	-	-							
AIR-SEA	73	77	81	85	89	>92	TOT	W	WO
TMP DIF	76	80	84	88	92			FOG	FDG
9/10	.0	.0	.0	.0	.0	.4	1	.0	. 4
7/8	.0	.0	.4	. 8	.4	.0	4	.0	1.7
	.0	.0	.0	.4	.0	.0	1	.0	. 4
5	.0	.0	.8	.0	.0	.0	1 2	.0	. 8
4	.0	.0	1.2	1.2	. 4	.0	7	.0	2.9
3	.0	.0	. 8	.4	. 4	. 4	5	.0	2.1
2	.0	.0	1.2	2.9	.4	.0	11	.4	4.1
3 2 1 0	.0	.0	3.3	6.6	.8	.0	26	.0	10.7
0	.0	. 4	8.3	6.2	.0	.0	36	.4	14.5
-1	.0	.0	9.9	9.1	.0	.0	46	.0	19.0
-2	.0	2.1	10.7	4.5	.0	.0	42	.0	17.4
-3	.0	. 4	5.4	2.5	.0	.0	20	.0	8.3
-4	.4	. 4	5.0	. 8	.0	.0	16	.0	6.6
-5	.0	1.7	2.9	.0	.0	.0	11	.0	4.5
-6	.0	. 8	2.1	.0	.0	.0	7	.0	2.9
-7/-8	.0	1.7	. 8	.0	.0	.0	6	.0	2.5
-9/-10	.0	. 4	.0	.0	.0	.0	6	.0	. 4
TOTAL	1		128		6		-	2	240
		19		86		2	242		
PCT	. 4	7.9	52.9		2.5	. 8	100.0	. 8	99.2

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 34-47 11-21 48+ 4-10 11-21 48+ 1-31.9 1-3 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 26-32 33-25 26-32 34-48 49-60 71-86 49-60 71-86 1-3 11-21 4-10 4-47 48+ 1-3 11-21 34-47 484

TABLE 18 (CONT)

AREA 0022 CAPE TALBOT 13.15 126.7E

PCT	FREO	ne	WIND	cosco.	INTEL	AND	DIRECTION	VERSIL	CEA	HETCHTS IET	1

					I PREU L	IL MIND	SPEED	(KIZ) WHO DIKE	CITON	E 4303 3	EN HETO	HIS (FI)			
				5							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1~3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.7	.0	.0	.0	.0	.7	.0	3.2	.0	.0	.0	.0	3.2	
1-2	.0	1.4	.9	.0	.0	.0	2.3	.0	3.5	1.2	.0	.0	.0	4.6	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	4.9	7.2	.0	.0	.0	12.0	
9-6	.0	.0	.9	.0	.0	.0	. 9	.0	.0	. 9	.0	.0	.0	. 9	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48				.0	.0		.0		.0				.0		
	.0	.0	.0			.0	. C	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	.0	.0	•0		.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	.0	.0	• 0		.0	.0	.0	.0	.0	
TOT PCT	.0	2.1	1,9	.0	• 0	.0	3.9	.0	11.6	9,3	.0	.0	.0	20.8	
				W							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PLT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	2.5	.0	.0	• 0	• 0	2.5	.0	. 9	.0	.0	.0	.0	. 9	
1-2	. 9	9.7	3,5	.0	.0	.0	14.1	.0	1.9	2.8	.0	.0	.0	4.6	
3-4	.0	6.3	11.3	.0	.0	.0	17.6	.0	. 9	3.7	.0	.0	.0	4.6	
5-6	.0	1.9	4.4	.0	• 0	.0	6.3	.0	.0	1.2	.9	.0	.0	2.1	
7	.0	. 9	1.6	.0	.0	•0	2.5	.0	.0	. 2	. 9	.0	.0	1.2	
8-9	.0	.0	.9	.0	•0	.0	.9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40			.0	.0					.0						
41-48	.0	.0		.0	• 0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0		• 0	• 0	.0	.0		.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	.0	.0	.0		.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	. 9	21.3	21.8	.0	• 0	• 0	44.0	.0	3.7	7.9	1.9	.0	.0	13.4	93.5

WIND SPEED (KTS) VS SEA HEIGHT (F	WIND	SPEED	(KTS)	V5	SEA	HEIGHT	(F7
-----------------------------------	------	-------	-------	----	-----	--------	-----

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT	
<1	10.1	11.0	.0	.0	.0	.0	21.1	083	
1-2	. 9	15.5	9.2	.0	.0	.0	26.6		
3-4	.0	11.9	22.9	.0	.0	.0	34.9		
5-6	.0	3.7	7.3	.9	.0	.0	11.9		
7	.0	. 9	1.8	. 9	.0	.0	3.7		
8-9	.0	.0	1.8	.0	.0	.0	1.8		
10-11	.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		
								109	
TOT PET	11.0	44.0	43.1	1.8	.0	.0	100.0		

PERIOD: (OVER-ALL) 1964-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONOS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-4B	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	8.2	17.3	33.6	9.1	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	78	3
6-7	.0	. 9	2.7	3.6	2.7	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	5
8-9	.0	.0	. 9	3.6	. 9	. 9	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
10-11	.0	. 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	2
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	7.3	.0	.0	.0	. 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	1
TOTAL	17	21	41	18	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	115	3
PCT	15.5	19.1	37.3	16.4	7.3	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

F	c	p	R	11	Δ	R	Y

PERIOD: (PRIMARY) 1925-1969 (OVER-ALL) 1880-1969

TABLE 1 AREA 0022 CAPE TALBOT 12.95 126.6E

PERCENT FREQUENCY OF WEATHER DCCIMPENCE BY WIND DIRECTION

			P	RECIPI	TATIO	Y TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE		ND SIG WEA
N NE	.0	1.1	.0	.0	.0	.0	.0	1.1	6.3	9.0	.0	.0	.0	.0	93.7
E SE	22.9	5.4	.0	.0	.0	.0	.0	5.4	7.1	7.1	.0	.0	.0	.0	80.4 54.3
S	2.5	9.3	.0	.0	.0	.0	.0	9.3	.0	12.8	2.5	.0	3.5		74.4
W	.0	6.0	.0	.0	.0	.0	.0	6.0	.9	12.2	7.2	.0	.0	.0	73.7
VAR CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8	.0	.0	5.9	.0	82.4
TOT PCT TOT OBS:	1.2	6.3	.0	.0	.0	.0	.0	7.5	1.2	9.5	3.6	.0	.8	.0	78.3

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA		
HOUR (GMT)	RAIN	RAIN	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPR BLWG BLWG	DUST	ND SIG WEA
00803 06809 12815 18821	2.4 .0 .0 3.9	7.2 6.5 4.7 7.8	.0	.0	.0	.0	.0	9.6 6.5 4.7 11.8	.0 2.4 2.0	1.2 .0 18.8 13.7	3.6 2.2 3.5 3.9	.0	1.2		.0	85.5 91.3 69.4 70.6
TOT PCT	265	6.4	.0	.0	•0	.0	.0	7.9	1.1	9.1	3.4	.0	. 8		.0	78.5

TABLE 3

PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				-														
		WI	IN SPE	ED (KN	DTS)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N	1.7	4.0	2.4	.0	.0	.0		8.2	7.8	2.2	7.1	11.5	13.0	11.5	9.1	4.3	7.9	
NE	.5	5.3	4.0	.0	.0	.0		9.8	9.3	9.4	12.9	12.5	19.0	5.2	15.9	5.0	7.9	
E	2.5	3.3	.5	.0		.0		6.3	5.6	3.9	7.1	8.3	2.0	6.0	2.3	10.7	10.5	
SE	.7	2.1	.9	.0	.0	.0		3.8	7.4	5.0	4.3	.0	2.0	.0	2.3	7.1	15.8	
S	1.0	5.2	1.7	.0		.0		7.9	7.2	13.3	10.7	.0	10.0	7.8	11.4	4.3	.0	
SW	2.5	6.3	4.3	1.4		.0		14.5	9.6	23.3	15.0	17.7		12.7	6.8	12.9	15.8	
W	2.8	16.4	10.8	1.6		.0		31.5	9.9	31.7	20.0	30.2			40.9	35.0		
NW	1.1	6.9	3.4	.0		.0		11.4	8.1	8.9	17.1	11.5				6.4	.0	
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5	
CALM	6.6				• •			6.6	.0	2.2		8.3				14.3	5.3	
TOT DBS	53	135	76	8	0	0	272		8.2	45	35	24	25	67	22	35	19	
TOT PCT	19.5	49.6	27.9			-0	2.2	100.0					100.0					

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18
N_	4.0	3.9	:4	.0	.0		8.2	7.8	4.4	12.2	11.0	5.6
NE	4.1	5.0		.0	.0		9.8	9.3	10.9	15.8	7.9	6.0
F	4.0	2.3	. C	.0	.0		6.3	5.6	5.3	5.1	5.1	10.6
SE	2.0	1.6	. 2	.0	.0		3.8	7.4	4.7	1.0	.6	10.2
5	4.6	2.8	.5	.0	.0		7.9	7.2	12.2	5.1	8.7	2.8
5 W	6.1	0.2	2.3	.0	.0		14.5	9.6	19.7	12.8	11.2	13.9
W	9.4	19.0	3.1	. 0	.0		31.5	9.9	26.6	25.0	37.1	35.6
NW	4.9	6.3	. 2	.0	.0		11.4	8.1	12.5	16.8	11.8	4.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	6.6						6.6		3.8	6.1	6.7	11.1
TOT DAS	124	128	20	0	0	272		8.2	80	49	89	54
TOT PCT	45.6	47.1	7.4	.0	.0		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1925-1969 (OVER-ALL) 1880-1969

TABLE 4

AREA 0022 CAPE TALBOT 12.95 126.6F

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND		KNOTS)	48+	MEAN	PCT	TOTAL
HOUR	CME		4-10	11-21	22-23					
00803	3.8	13.8	52.5	23.8	6.3	.0	.0	8.5	100.0	80
90300	6.1	10.2	49.0	32.7	2.0	.0	.0	8.5	100.0	49
12615	6.7	12.4	50.6	29.2	1.1	.0	.0	7.9	100.0	89
18621	11.1	14.8	44.4	27.8	1.9	.0	.0		100.0	54
TOT	18	35	135	76	8	0	0	8.2		272
PCT		12.9	49 6	27 0	2 9	. 0	. 0		100.0	

TABLE 5

TABLE 6

				-															
P	CT FRE			LOUD A		EIGHTHS)			P					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 £ 08500	TOTAL	CLOUD COVER	00		150 299	300 599	600	1000	2000 3499	3500 4999	5000	6500 7999	8000+	NH <5/B	
N	2.5	.7	3.2	2.5		4.7		. 0	.0	.0	1.9	1.6	.0	.0	• 0	.0	.0	5.6	
NE	2.8	3.7	3.5	. 9		4.1		.0	.0	.0	.0	. 2	1.2	1.2	.0	.0	.0	8.3	
E	. 9	3.7	2.3	. 9		4.7		0	.0	.0	.0	.0	. 7	1.6	.0	.0	.0	5.6	
SE	.0	2.1	. 1	.0		4.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
S	2.5	3.0	.9	.7		3,3		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2	
SW	3.5	3.2	3.2	4.4		4.8		. 0	.0	.0	.0	. 7	. 9	. 9	.0	.0	.0	11.8	
W	6.9	5.3	9.0	9.3		5.0		.0	.0	.0	3.5	8.6	4.6	.0	.0	.0	.0	13.9	
NW	3.0	2.3	2.8	. 7		3.5		.0	.0	.0	. 2	. 9	.0	.0	.0	.0	.0	7.6	
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.8	1.9	3.7	. 0		3.9		0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	9.3	
TOT OBS	27	28	31	22	108	4.4		0	0	0	6	13	8	4	0	0	0	77	108
TUT PCT	25.0	25.9	28.7	20.4	100.0			0	.0	.0	5.6	12.0	7.4	3.7	.0	.0	.0	71.3	100.0

TABLE 7 CUMULATIVE PCT FREQ OF SIMULTANEOUS DECURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM				
CEILING (FEFT)		· UR	- DR	= OR	= DR	= DR	= OR	· DR	. DR
		>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
. 0	R >6500	.0	.0	.0	.0	.0	.0	.0	.0
. 0	R >5000	.0	.0	.0	.0	.0	.0	.0	.0
. 0	R >3500	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
. 0	R >2000	10.2	11.1	11.1	11.1	11.1	11.1	11.1	11.1
. 0	R >1000	21.3	23.1	23.1	23.1	23.1	23.1	23.1	23.1
	R >600	25.9	28.7	28.7	28.7	28.7	28.7	28.7	28.7
	R >300	25.9	28.7	28.7	28.7	28.7	28.7	28.7	28.7
	R >150	25.9	28.7	28.7	28.7	28.7	28.7	28.7	28.7
	R > 0	25.9	28.7	28.7	28.7	28.7	28.7	28.7	28.7
	TOTAL	28	31	31	31	31	31	31	31

TOTAL NUMBER OF OBS: 108 PCT FREQ NH <5/8: 71.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO OBS 11.4 15.8 15.8 16.7 11.4 4.4 5.3 5.3 14.0 .0 114

F	F	A	0	Ł	Δ	R	У

PRIMARY) 1: DVER-ALL) 1:	925-1969 880-1969						TA	BLE B				AKE		CAPE TA 2.95 12	
		P	ERCENT	PREC !	F WIN	DIRE	CITON TH VAR	VS DCC	URRENCE ALUES	F OR N	ON-OC	URRENC TY	E DF		
VSBY (NM)		N	NE	E	SF	5	SW	W	NW	VAR	CALM	PCT	TOTAL		
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
<1/2	NO PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	TOT &	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
1/2<1	NO PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	PCP	• 0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4			
1<2	NO PCP	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4			
	TOT %	•0	.0	.0	.0	• 0	. 8	.0	.0	.0	.0	. 8			
	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
2<5	NO PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	TOT %	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	PCP	.0	. 1	.3	1.6	. 8	1.4	2.0	1.0	.0	.0	7.1			
5<10	NO PCP	1.6	1.8	. 4	. 8	4.0	4.2	14.7	5.7	.0	1.6	34.8			
	TOT %	1.6	1.9	.7	2.4	4.7	5.6	16.7	6.7	.0	1.6	41.9			
	PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
10+	NO PCP	4.6	6.9	4.8	1.1	3.8	9.2	16.4	5.3	.0	5.1				
	TOT %	4.6	6.9	4.8	1.1	3.8	9.2	16.4	5.3	• 0	5.1	57.3			
	TOT OBS												253		
	TOT PCT	5.2	8.8	5.5	3.5	8.5	15.6	33.1	12.1	.0	6.7	100.0			

TABLE 9

VSBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL	
(NM)	KTS				36		3.0			•			DBS	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.00	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT \$.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	0-3	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4		
1 < 2	4-10	.0	.0	.0	.0	.0	. 4	.0	.0	.0		. 4		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	• 0	.0	.0	. (. 8	.0	.0	.0	.0	. 8		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	0-3	. 8	.0	.0	. 4	.4	.0	1.4	.6	.0	1.6	5.1		
5<10	4-10	. 8	1.8	. 4	1.2	3.6	1.4	7.7	4.2	.0		20.9		
	11-21	.0	. 1	. 3	. 8	. 8	3.7	6.6	2.0	.0		14.2		
	22+	.0	.0	.0	.0	.0	.6	1.0	.0	.0		1.6		
	TOT %	1.6	1.9	. 7	2.4	4.7	5.6	16.7	6.7	.0	1.6	41.9		
	0-3	.7	.1	2.5	.2	.7	2.3	1.7	.6	.0	5.1	13.8		
10+	4-10	2.4	2.6	2.4	. 9	2.1	5.0	9.1	3.3	.0		27.7		
	11-21	1.6	4.2	.0	.0	1.0	1.0	4.9	1.5	.0		14.2		
	22+	.0	.0	.0	.0	.0	. 9	. 7	.0	.0		1.6		
	TOT \$	4.6	6.9	4.8	1.1	3.8	9.2	16.4	5.3	.0	5.1	57.3		
	OT DAS												253	
T	OT PCT	6.2	8 . 8	5.5	3.5	8.5	15.6	33.1	12.1	.0	6.7	100.0		

FEBRUARY

PERIOD:	(PRIMARY)	1925-1969
	I TIVE P - ALL I	1000-1040

TABLE 10

AREA 0022 CAPE TALBUT 12.95 126.6E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

					-								
HOUR (GMT)	000	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	.0	4.2	8.3	8.3	4.2	.0	.0	.0	25.0	75.0	24
05609	.0	.0	.0	8.7	17.4	.0	4.3	.0	.0	.0	30.4	69.6	23
12615	.0	.0	•0	7.9	13.2	7.9	.0	.0	.0	.0	28.9	71.1	38
18621	.0	.0	.0	.0	7.4	11.1	7.4	.0	.0	.0	25.9	74.1	27
TOT	0	.0	0	5.4	13	7.1	3.6	.0	.0	.0	27.7	72.3	112

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	•0	•0	.0	50.6	49.4	83	60300	.0	.0	4.2	20.8	75.0	24
06609	.0	.0	•0	.0	43.5	56.5	46	90300	.0	.0	8.7	21.7	69.6	23
12615	.0	.0	1.2	•0	41.2	57.6	85	12815	.0	.0	8.48	23.5	67.6	34
18621	.0	•0	2.0	.0	39.2	58.8	51	18621	.0	.0	3.7	25.9	70.4	27
TOT	0	0	.8	0	117	146	265	TOT	.0	.0	6.5	25	76 70.4	108

TABLE 13

TABLE 14

						-														
	PERCE	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.5	.0	1.1	.5	.0	.5	.0	5	2.6	.0	.0	.0	.0	. 5	• 1	.4	1.1	.0	.5
85/89	.0	.0	.0	.0	4.7	19.5	17.9		84	44.2	2.2	5.7	1.4	. 5	4.9	2.8	17.8	6.8	.0	2.1
80/84	.0	.0	.0	.0	2.6	5.8	37.9	5.3	98	51.6	3.2	.0	1.8	2.4	3.3	11.2	21.2	3.8	.0	4.7
75/79	.0		.0	.0	.0	.0	1.6	.0	3	1.6	.0	.0	.0	. 5	.0	.0	. 5	.5	.0	.0
TOTAL	0		0	2	15	48			190	100.0										
PCT	.0	.5	.0	1.1	7.9	25.3	57.9	7.4			5.4	5.7	3.3	3.4	8.7	14.1	39.9	12.2	.0	7.4

TARLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	P (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOUR	
HUUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
£0300	92	91 92	91 91	85 86	79	74	74	84.5	87 50	E0300	.0	3.6	10.7	25.0	51.8	8.9	79 76	56 34
12815	91 88	89 87	87 86	84 83	79	77	77	83.9	92 54	12815	.0	.0	8.6	20.0	61.4	10.0	82	70
TOT	93	92	89	84	79	74	73		283	TOT	0	3	17	54	112	16	80	202

FEBRUARY

PERIOD: (PRIMARY) 1925-1969 (DVER-ALL) 1880-1969

TABLE 17 AREA 0022 CAPE TALBUT 12.95 126.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	FOG	FDG.
		-						-	
9/10	.0	.0	.0	.0	2.1	.0	4	.0	2.1
7/8	.0	.0	.0	. 5	.0	.0	1	.0	. 5
6	.0	.0	.0	. 5	.5	.0	2	.0	1.1
5	.0	.0	.5	1.6	. 5	.0	5	.0	2.7
4	.0	.0	1.6	.5	.5	.0	5	.5	2.1
3	.0	.0	.5	2.7	1.1	.0	8	.0	4.3
6 5 4 3 2 1 0	.0	.0	2.7	4.8	.0	. 5	2 5 5 8 15	. 5	7.5
1	.0	.0	8.6	2.7	.0	.0	21	1.1	10.2
0	1.1	. 5	9.6	7.0	.0	.0	34	.0	18.2
-1	1.1	. 5	9.1	4.8	.0	.0	29	.0	15.5
-1 -2	.0	2.7	6.4	7.5	. 5	.0	32	.0	17.1
-3	. 5	.0	5.3	2.7	. 5	.0	16	.0	8.6
-4	.0	.5	2.7	. 5	.0	.0	7	.0	3.7
-5	.0	. 5	.5	.0	.0	.0	7 2 3 1	.0	1.1
-6	.0	. 5	.5	. 5	.0	.0	3	.0	1.6
-7/-8	.0	.0	.5	.0	.0	.0	1	.0	.5
-9/-10	.0	. 5	.0	.0	.0	.0	1	.0	.5
-11/-13	.0	. 5	.0	.0	.0	.0	1	.0	. 5
TOTAL	5		91		10			4	183
		12		68		1	187		
PCT	2.7	6.4	48.7	36.4	5.3	.5	100.0	2.1	97.9

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.5	.0	.0	.0	.0	1.5	.0	2.9	1.5	.0	.0	.0	4.4
3-4	.0	4.0	1.1	.0	.0	.0	5.1	.0	.0	4.4	.0	.0	.0	4.4
5=6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	5.5	1.1	.0	.0	.0	7.7	.0	2.9	5.9	.0	.0	.0	8.8
				F							5.5			
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1-3	4-10	11-21	SE	34-47	44.	PC1
HGT <1	1-3	4-10	11-21	22-33	34-47		PCT 1.5	1-3	4-10	11-21	22-33	34-47	48+	PC1
<1 1-2		1.5	.0	22-33 .0		•0	1.5	.0	.0	.0	.0	.0	.0	. 0
<1	.0			22-33	.0		1.5			.0	.0	.0	.0	.0.
<1 1-2 3-4 5-6	.0	1.5	.0	22-33	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0
<1 1-2 3-4 5-6 7	.0	1.5 .0 1.5	.0	22-33	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0
<1 1-2 3-4 5-6	.0	1.5	.0	22-33	.0	.0	1.5 .0 1.5	.0	.0	.0	.0	.0	.0	.0
<1 1-2 3-4 5-6 7	.0	1.5 .0 1.5	.0	22-33	.0	.0	1.5 .0 1.5 .0	.0	.0	.0	.0	.0	.0	.0
<1 1-2 3-4 5-6 7 8-9	.0	1.5 .0 1.5 .0	.0	22-33	.0	.0	1.5	.0	.00.00000000000000000000000000000000000	.0	.0	.0	.0	.0
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16	.0	1.5 .0 1.5 .0	.0	22-33	.0	.0	1.5 .0 1.5 .0 .0	.0	.0	.0	.0	.0	.0	.00000
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19	.0	1.5	.0	22-33	.0	.0	1.5	.0	.00000000	.0	.0	.0	.00000000000000000000000000000000000000	.00.00
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	.0	1.5	.0	27-33	.0	.00	1.5 .0 1.5 .0 .0	.0	.0	.0	.0	.0		.00.00.00.00
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.0	1.5	.00.00	22-33	.0	.0	1.5	.0	.0	.0	.0	.0	.00000000000000000000000000000000000000	.00000000000000000000000000000000000000
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.0.000000000000000000000000000000000000	1.5	.00	22-33	.0	.0	1.5	.0	.00	.0	.0	.0	.00000000000000000000000000000000000000	
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	.0	1.5	.00.00	22-33	.0	.0	1.5	.00	.00	.0	22-33	.0	000000000000000000000000000000000000000	000000000000000000000000000000000000000
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 26-32 33-40 41-48	.0	1.5	.00	22-33	.0	.0	1.5	.0	.00	000000000000000000000000000000000000000	22-33	.0	000000000000000000000000000000000000000	000000000000000000000000000000000000000
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	.00000000000000000000000000000000000000	1.5	.00	22-33	.00000000000000000000000000000000000000	.00	1.5	000000000000000000000000000000000000000	.00	000000000000000000000000000000000000000	22-33	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.0	1.5	.00000000000000000000000000000000000000	22-33	.00000000000000000000000000000000000000	.00	1.5	000000000000000000000000000000000000000	.00	000000000000000000000000000000000000000	22-33	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-23 33-40 41-48 49-60 61-70 71-86	.0	1.5	.00	22-33	.00000000000000000000000000000000000000	.00	1.5	000000000000000000000000000000000000000	.00.00	.0	22-33	000000000000000000000000000000000000000		
<1 1-2 3-4 5-6 7 8-9 10-11 12-15 17-19 20-22 23-25 26-32 33-40 41-48 49-50 71-86	.0	1.5	.00000000000000000000000000000000000000	22-33	.00000000000000000000000000000000000000	.0	1.5	000000000000000000000000000000000000000			22-33	000000000000000000000000000000000000000		
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-23 33-40 41-48 49-60 61-70 71-86		1.5	.00	22-33	000000000000000000000000000000000000000	.0	1.5	000000000000000000000000000000000000000		.0	22-33	000000000000000000000000000000000000000		

TABLE 18 (CONT)

				PC	T FRED	DF WIND	SPEED	(KTS)	AND DIREC	TION	VERSUS S	EA HEIG	HTS (FT)			
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	1.1	2.6	.0	.0	• 0	.0	3.7		.4	2.2	.0	.0	.0	.0	2.6	
1-2	.0	.0	1.5	.0	.0	.0	1.5		.4	8.8	.0	.0	.0	.0	9.2	
3-4	.0	1.5	.0	.0	.0	.0	1.5		.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
6-9	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		• 0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-50	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.1	4.0	1.5	.0	.0	.0	6.6		.7	11.0	.0	.0	.0	.0	11.8	
101 -01		4.0		•••	• •	• 0	0.0					••			11.0	
			44 55	W								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
< 1	2.6	3.7	.0	.0	• 0	.0	6.3		2.2	.4	.0	.0	.0	.0	2.6	
1-2	1.1	15.4	2.9	.0	.0	• 0	19.5		.0	3.7	.0	.0	.0	.0	3.7	
3-4	.0	2.9	9.6	.0	.0	.0	12.5		• 0	.4		.0	.0	.0	4.4	
5-6	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		• 0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		• 0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.7	22.1	12.5	.0	.0	.0	38.2		2.2	4.4	4.0	.0	.0	.0	10.7	86.8

WIND SPEED (KTS) VS SEA HEIGHT (FT) 0-3 4-10 11-21 22-33 34-47 48+ PET HGT 484 PCT
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0 0 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 10.3 20.6

TOT PCT 22.1 52.9 25.0 .0 100.0 .0 .0

PERIOD: (DVER-ALL) 1965-1969

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

(SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	11.6	40.6	24.6	1.4	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	2
6-7	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
10-11	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
>13	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
INDET	14.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	0
TOTAL	18	28	20	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	69	2
DET	26.1	40.6	29.0	1.4	1.4	1.4	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.5	

68

PERIOD:	(PRIMARY)	1922-1967
	LOVER-ALL Y	1884-1967

AREA 0022 CAPE TALBUT 12.95 126.5E

DEDCENT	EDECHIENCY	DE	WEATHER	DCCURRENCE	RY	WIND	DIRECTION	

			p	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WHO DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		NO SIG WEA
N	.0	4.5	2.2	.0	.0		.0	6.7	3.4	7.9	.0	.0	6.7	.0	75.3
NE	12.5	3.6	1.8	.0	.0	.0	.0	17.9	3.6	1.8	.0	.0	5.4		72.3
Ε	9.9	16.9	2.8	.0	.0	.0	.0	29.6	.0	9.9	.0	.0	2.8	.0	59.9
SE	21.8	3.6	21.8	.0	.0	.0	.0	47.3	7.3	1.8	.0	.0	.0	.0	43.6
S	.0	2.6	.0	.0	.0		.0	2.6	.0	.0	10.4	.0	10.4	.0	76.6
SW	9.7	1.3	.0	.0	.0		.0	11.0	.0	15.6	5.2	.0	6.5	.0	61.7
W	12.2	9.0	.0	.0	.0		.0	21.2	.0	7.7	2.6	.0	5.4	.0	62.2
NW	13.5	9.8	.0	.0	.0	.0	.0	23.3	.6	4.9	.0	.0	2.5	.0	68.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	•0	.0	•0	• 0		.0	.0	.0	.0	.0	.0	7.1	.0	92.9
TOT PCT	9.6	6.8	5.0	•0	•0	.0	.0	18.3	1.2	6.8	2.0	.0	5.2	.0	66.9

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATION	N TYPE					OTHER	WEATHER	PHEND	MENA		
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRA BLWG D BLWG S	UST	SIG WEA
00803 06809 12815 18821	7.9 7.0 13.3 9.3	9.2 4.7 7.2 3.7	2.6 2.3 .0 3.7	.0	•0	.0	.0	19.7 14.0 20.5 16.7	1.3 2.3 1.2	1.3 .0 8.4 16.7	2.6 .0 2.4 1.9	.0	5.6 4.7 3.6 7.4	:	0	68.4 79.1 65.1 57.4
TOT PCT TOT OBS:	9.8	6.6	2.0	•0	•0	.0	.0	18.4	1.2	6.6	2.0	.0	5.5		0	66.8

TABLE 3

PERCENTAGE FREQUENCY OF MIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			ED (KN 22-33	0TS) 34-47	48+	TOTAL	PCT	MEAN	00	03	06	HOUR 09	(GMT)	15	18	21	
							085	FREQ	SPD									
																	44.0	
N	1.7	3.2	2.8	. 7	.0	.0		8.4	10.2	9.3	15.5	10.5	6.3	7.5	6.0	6.9	2.5	
NE	1.7	5.1	2.9	. 5	. 2	.0		10.4	10.1	5.5	12.1	9.7	12.5	11.6	12.0	14.4	7.9	
F	1.4	6.3	4.7	. 9	. 2	.0		13.4	11.4	14.0	5.2		12.5	14.5	6.0		5.3	
SE		3.3	2.7	. 7	.0	.0		6.9	12.5	10.2	6.9		3.1		4.0		.0	
3.	73.5																	
5	2.4	4.1	1.2	• 0	.0	.0		7.7	6.6	10.6	12.9	8,9	9.4	2.5	14.0	5.6	5.5	
SW	1.6	10.6	1.6	1.2	.0	.0		15.1	8.4	22.0	19.8	4.0	5.3	13.0	10.0	20.0	15.8	
W	2.9	9.5	5.2	. 5	.0	.0		18.1	9.3	9.7	15.5	16.9	18.8	20.7	28.0	15.6	31.5	
NW	1.6	6.6	4.3		.0	.0		14.5	10.9	11.9	12.1	13.7	25.0	16.3	16.0	5.6	28.9	
VAR	.0	.0	.0			.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	
CALM	5.6					•		5.6	.0	6.8	.0	6.5	6.3	4.3	4.0	10.0	5.3	
TOT DBS	55	140	73	19	1	0	288		9.3	59	29	31	16	69	25	40	19	
TOT PCT	19.1		25.3			.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

WNO DIR	0-6	WIND 7-16	SPEED 17-27	(KNUTS) 28-40	41+	TUTAL	PCT	MEAN	00	H8UI 06 09	12 15	18
N	2.7	3.6	2.1	.0	.0		8.4	10.2	11.4	9.0	7.2	5.5
N NE	4.1	4.2	1.5	.0	.0		10.4	10.1	7.7	10.6	11.7	12.3
E	3.8	6.1	2.8	.7	.0		13.4	11.4	11.1	19.1	12.2	14.0
SE	1.9	3.1	1.1	.7	.0		6.9	12.5	9.1	5.9	8.0	2.5
S E	4.2	3.4	. 2	.0	.0		7.7	6.6	11.4	9.0	5.6	4.7
SW	8.2	5.4	1.4	.2	.0		15.1	8.4	21.3	4.8	12.2	18.6
M	6.3	9.1	2.4	.2	.0		18.1	9.3	11.6	17.6	22.6	20.8
NW	6.3	3.6	4.5	.0	.0		14.5	10.9	11.9	17.6	16.2	13.1
VAR	.0	.0	.0	.0	.0		.0	• 6	.0	.0	.0	.0
CALM	5.6						5.6	• 0	4.5	6.4	4.3	8.5
TOT ORS	124	111	46	7	0	288		9.3	88	47	94	59
TOT DET		20 .		2 6	0		100 0		100 0	100 0	100 0	100 0

PERIOD: (PRIMARY) 1922-1967 (GVER-ALL) 1884-1967

TABLE 4

AREA 0022 CAPE TALROT 12.95 126.5E

PERCENTAGE FREQUENCY OF WING SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND		KND(5) 34-47	48+	MEAN	PCT FREQ	TOTAL
60300	4.5	15.9	50.0	22.7	6.8	.0	.0	9.3	100.0	88
90330	6.4	12.8	46.8	25.5	P. 5	.0	.0	10.0	100.0	47
12615	4.3	12.8	52.1	25.5	4.3	1.1	.0	9.0	100.0	94
18621	8.5	11.9	42.4	28.8	8.5	.0	.0	9.4	100.0	59
TOT	16	39	140	73	19	1	0	9.3		288
PCT	5.6	13.5	48.6	25.3	5.6	.3	.0		100.0	

TABLE 5

TABLE 6

	P	CT FRE			CLOUD A		(EIGHTHS)							CEILIN					
WN	D DIP	0-2	3-4	5-7	8 & DBSCD	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 349 9	3500 4999	5000 6499	6500 7999	8000+	NH C5/8 ANY HGT	
	N	2.5	.0	2.1	2.7		4.8	.0	.0	.0	.6	1.3	.0	.0	.0	.0	.0	5.5	
	NE	5.3	1.1	1.5	3.2		3.7	.0	.0	.0	. 4	2.7	. 2	.0	.0	.0	.0	7.6	
	E	4.0	.6	4.4	10.1		5,9	.0	.0	.0	3.8	2.9	4.6	.0	.0	.0	.0	7.8	
	SF	. 2	.0	1.9	7.4		7.5	.0	.0	.0	2.5	3.6	1.1	. 8	.0	.0	. 2	1.3	
	S	1.3	.0	3.2	1.5		5.7	.0	.0	.0	.0	. 8	. 8	.0	.0	.0	1.5	2.7	
	SW	4.4	1.1	4.8	1.1		3.9	.0	.0	.0	.0	.4	1.7	.0	.0	. 8	.0	8.4	
	W	4.2	2.3	5.0			4.6	.0	.0	.0	.0	2.7	. 6	.0	.0	.0	.0	11.8	
	NW	1.7	2.5	2.3	5.9		5.7	.0	.0	.0	1.1	4.8	1.1	. 8	.0	.0	.0	4.5	
	VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	ALM	4.2	1.7	. 8			2.9	.0	.0	.0	.0	.0	1.7	.0	.0	.0	. 8	5.9	
	T DBS	33	11	31	44	119	5.0	0	0	0	10	23	14	2	0	1	3	66	119
	T PCT	27 7	9 2	26.1	37 0			. 0	- 0	-0	8.4	19.3	11.8	1.7	- 0	. 8	2.5	55.5	100.0

TABLE 7

CUMULATIVE PCT FREQ	OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT	(NH >4/8) AND VSBY (NM)

					VSBY (NM	1)			
CE	ILING	• GR	· DR	· DR	= DR	■ DR	■ DR	· DR	· DR
(1	EET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
. DR	>6500	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
- OR	>5000	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
- OR	>3500	4.2	4.2	5.0	5.0	5.0	5.0	5.0	5.0
- OR	>2000	14.3	16.0	16.8	16.8	16.8	16.8	16.8	16.8
. OR	>1000	24.4	32.8	36.1	36.1	36.1	36.1	36.1	36.1
- DR	>600	26.9	37.8	43.7	44.5	44.5	44.5	44.5	44.5
- OR	>300	26.9	37.8	43.7	44.5	44.5	44.5	44.5	44.5
. DR	>150	26.9	37.8	43.7	44.5	44.5	44.5	44.5	44.5
. DR	> 0	26.9	37.8	43.7	44.5	44.5	44.5	44.5	44.5
	TOTAL	32	45	52	53	53	53	53	53

TOTAL NUMBER OF OBS: 119 PCT FREQ NH <5/81 55.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 14.5 16.0 6.9 7.6 7.6 6.9 4.6 4.6 31.3 .0 131

PERIOD: (PRIMARY) 1922-1967 (DVER-ALL) 1884-1967 FERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY VSBY N N N E SE S SW N N W VAR CALM PCT TOTAL DBS C1/2 NO PCP O O O O O O O O O O O O O									ARCH						
PRECIPITATION WITH VARYING VALUES OF VISIBILITY VSBY								TA	BLE 8				ARE		
NM PCP			F	FRCENT	FRED (DF WIN	D DIRE	CTION TH VAR	VS DCC	URRENC	F VIS	IBILI	URRENC	E OF	
C1/2 NO PCP			N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT		
C1/2 NN PCP		PCP	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		
TOT X	(1/2	NO PCP			.0	.0			.0	.0	.0	.0	.0		
1/2<1 NO PCP			.0		.0			.0	.0	.0	.0	.0	.0		
1/2<1 NO PCP		0.00	•		•	0			0	- 0	0	0	0		
TOT \$.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0															
PCP	1/241				• 0										
PCP		101 %	• 0	• 0	.0	• 0	.0	•0	•0	••	•0	.0	.0		
PCP		PCP	.0	• 1	. 3	.0	. 0	.0			.0	.0	.4		
PCP	1<2	NO PCP	.6	.6	. 4	.0	. 8	1.0	. 2	. 4	.0	.4	4.4		
2<5 ND PCP		TOT %	. 6	. 7	.7		. 8	1.0	. 2	. 4	.0	.4	4.8		
2<5 ND PCP		DCD	.0	. 4	8	R	2	. 4	. 4	. 8	. 0	- 0	3.6		
TOT \$.0 .4 .8 .8 .0 .5 .7 .8 .0 .0 4.0 PCP .6 1.4 2.4 1.0 .2 1.3 2.5 3.0 .0 .0 12.4 5<10 NO PCP 4.0 4.0 2.3 1.1 1.8 4.8 4.5 3.1 .0 .0 25.5 TOT \$ 4.6 5.4 4.7 2.1 2.0 6.1 7.0 6.1 .0 .0 37.8 PCP .0 .1 .7 .8 .0 .0 .4 .0 .4 .0 .0 .0 2.0 10+ NO PCP 3.7 4.6 7.3 1.8 4.9 7.8 7.3 9.0 .0 5.2 51.4 TOT \$ 3.7 4.7 8.0 2.6 4.9 7.8 7.7 9.0 .0 5.2 53.4	2/5								. 3	.0					
5<10 ND PCP 4.0 4.0 2.3 1.1 1.8 4.8 4.5 3.1 0 0 25.5 TOT % 4.6 5.4 4.7 2.1 2.0 6.1 7.0 6.1 0 0 37.8 PCP 10+ ND PCP 3.7 4.6 7.3 1.8 4.0 7.8 7.3 9.0 0 5.2 51.4 TOT % 3.7 4.7 8.0 2.6 4.9 7.8 7.7 9.0 0 5.2 53.4	243								.7						
5<10 ND PCP 4.0 4.0 2.3 1.1 1.8 4.8 4.5 3.1 0 0 25.5 TOT % 4.6 5.4 4.7 2.1 2.0 6.1 7.0 6.1 0 0 37.8 PCP 10+ ND PCP 3.7 4.6 7.3 1.8 4.0 7.8 7.3 9.0 0 5.2 51.4 TOT % 3.7 4.7 8.0 2.6 4.9 7.8 7.7 9.0 0 5.2 53.4		0.0			2 4	1 0	•	1.2	2.5	3.0	0	^	12.4		
TOT % 4.6 5.4 4.7 2.1 2.0 6.1 7.0 6.1 .0 .0 37.8 PCP .0 .1 .7 .8 .0 .0 .4 .0 .0 .0 2.0 10+ NO PCP 3.7 4.6 7.3 1.8 4.9 7.8 7.3 9.0 .0 5.2 51.4 TOT % 3.7 4.7 8.0 2.6 4.9 7.8 7.7 9.0 .0 5.2 53.4															
PCP .0 .1 .7 .8 .0 .0 .4 .0 .0 .0 2.0 10+ ND PCP 3.7 4.6 7.3 1.8 4.9 7.8 7.3 9.0 .0 5.2 51.4 TOT % 3.7 4.7 8.0 2.6 4.9 7.8 7.7 9.0 .0 5.2 53.4	5410														
10+ NO PCP 3.7 4.6 7.3 1.8 4.9 7.8 7.3 9.0 0 5.2 51.4 101 % 3.7 4.7 8.0 2.6 4.9 7.8 7.7 9.0 0 5.2 53.4		101 %	4.0	5.4	4.7	2.1	2.0	0.1	7.0	0.1	• 0	.0	3/.0		
10+ NO PCP 3.7 4.6 7.3 1.8 4.9 7.8 7.3 9.0 .0 5.2 51.4 TOT % 3.7 4.7 8.0 2.6 4.9 7.8 7.7 9.0 .0 5.2 53.4		PCP	.0	. 1	.7	.8	.0	.0			.0	.0	2.0		
TOT % 3.7 4.7 8.0 2.6 4.9 7.8 7.7 9.0 .0 5.2 53.4	10+	NO PCP	3.7	4.6	7.3	1.8		7.8	7.3	9.0	.0	5.2	51.4		
		TOT %	3.7	4.7	8.0			7.8	7.7	9.0	.0	5.2	53.4		
70T DAS 251		TOT 085												251	
TOT PCT 8.9 11.2 14.1 5.5 7.7 15.3 15.5 16.2 .0 5.6 100.0			8.9	11.2	14.1	5.5	7.7	15.3	15.5	16.2	.0	5.6	100.0	•	

TABLE 9

	ISBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
<pre><1/2</pre>	(MM)	KTS		_										QBS
C1/2 4-10 .0		0-3	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	
11-21 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	(1/2	4-10						.0	.0	.0			.0	
22+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		11-21								.0				
1/2<1 4-10		22+	.0					.0		.0	.0			
1/2<1 4-10		TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11-21 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		0-3	.0	.0	.0	.0	.0					.0		
22+ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	/2<1	4-10	.0	.0	.0	.0	.0	.0			.0		.0	
TOT \$.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		11-21	.0	.0	.0	.0	.0	.0			.0		.0	
1<2		22+	.0	.0	.0	.0	.0				.0			
1<2		TOT \$.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11-21 .0 .1 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0			.4	.0	.4	.0	.4	.0			.0	.4	2.0	
22+ 0 4 0 0 8 10 5 7 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1<2		. 2	.6			. 4		. 2					
TOT x .6 .7 .7 .0 .8 1.0 .2 .4 .0 .4 4.8 2<5 4-10 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0				• 1		.0								
2<5									.0					
2<5 4-10		TOT %	.6	.7	.7	.0	. 8	1.0	. 2	.4	.0	.4	4.8	
11-21 .0 .0 .8 .8 .0 .0 .0 .4 .0 2.0 2.2 22+ .0 .4 .0 .0 .0 .0 .4 .0 1.2 1.2 2.6 1.2 1.2 1.2 2.8 .0 1.4 .0 .0 11.6 22+ .0 .1 .0 .0 11.6 22+ .0 .1 .1 .2 1.2 2.8 .0 1.0 .0 11.6 22+ .0 .1 .1 .2 1.2 2.8 .0 1.0 .0 11.6 22+ .0 .1 .1 .2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.									.0			.0	.0	
22+ .0 .4 .0 .0 .0 .4 .0 .0 .0 .0 .0 .4 .0 .1.2 0-3 .4 .4 .0 .0 .8 .6 .0 .0 .0 .0 .0 .0 .5 5<10 4-10 1.4 2.2 2.8 .6 .8 3.3 3.6 2.9 .0 17.5 11-21 2.2 2.4 .7 .7 .4 1.2 2.2 1.8 .0 11.6 22+ .6 .4 1.2 .8 .0 1.0 .5 1.4 .0 6.0 TOT \$ 4.6 5.4 4.7 2.1 2.6 6.1 7.0 6.1 .0 .0 37.8 10+ 4-10 2.1 2.9 3.8 1.6 2.7 7.2 5.2 4.5 .0 29.9 11-21 .6 .6 3.0 .8 .8 .5 1.4 2.7 .0 10.4 22+ .6 .0 3.0 .8 .8 .5 1.4 2.7 .0 10.4 22+ .6 .6 3.0 .8 .8 .5 1.4 2.7 .0 10.4	2<5							. 1						
TOT x .0 .4 .8 .8 .0 .5 .7 .8 .0 .0 4.0 0-3 .4 .4 .0 .0 .8 .6 .0 .0 .0 .0 .0 2.8 11-21 2.2 2.4 .7 .7 .4 1.2 2.2 1.8 .0 11.6 22+ .0 .4 1.2 .8 .0 1.0 .5 1.4 .0 6.0 TOT x 4.6 5.4 4.7 2.1 2.0 6.1 7.0 6.1 .0 .0 37.8 10+ 4-10 2.1 2.9 3.8 1.6 2.7 7.2 5.2 4.5 .0 29.9 11-21 6 6 3.0 .8 .8 .5 1.4 2.7 .0 10.4 22+ .2 .0 .0 .0 .0 .0 .0 .6 .0 .0 .9 .8								.0					2.0	
0-3								.4	.0	. 4			1.2	
5<10 4-10 1.4 2.2 2.8 .0 .8 3.3 3.6 2.9 .0 17.5 17.5 2.4 .0 .1 .2 2.2 1.8 .0 11.6 2.4 .0 11.6 2.4 .0 11.6 2.4 .0 11.6 2.4 .0 11.6 2.4 .0 11.6 2.4 .0 11.6 2.4 .0 11.6 2.4 .0 11.6 2.4 .0 11.6 2.4 .0 11.6 2.4 .0 11.6 2.4 .0 11.6 2.4 .0 11.6 2.4 .0 11.6 2.4 .1 11.1 1.2 .0 5.2 12.4 11.4 1.0 11.4 11.2 11.2 11.2 11.4 11.2 11.2 11.4 11.2 11.2		TOT %	.0	. 4	. 8	. 8	.0	.5	. /	. 8	.0	.0	4.0	
5<10 4-10 1.4 2.2 2.8 .6 .8 3.3 3.6 2.9 .0 17.5 17.5 22+ .6 .4 1.2 2.2 1.8 .0 11.6 22+ .6 .4 1.2 .8 .0 1.0 .0 11.6 .0 10.7 \$ 4.6 5.4 4.7 2.1 2.6 6.1 7.0 6.1 .0 .0 37.8 10+ 4-10 2.1 2.9 3.8 1.2 1.2 .2 1.4 .1 1.1 1.2 .0 5.2 12.4 11-21 .6 .6 3.0 .8 .8 .5 1.4 2.7 .0 29.9 11-21 .6 .6 3.0 .8 .8 .5 1.4 2.7 .0 10.4 22+ .2 2.2 .0 .0 .0 .0 .0 .6 .0 .8 .8 .5 1.4 2.7 .0 10.4		0-3	.4	.4	.0	.0	. 8	.6	. 0	.0	.0	.0	2.8	
11-21 2.2 2.4 .7 .7 .4 1.2 2.2 1.8 .0 11.6 22+ .6 .4 1.2 .8 .0 1.0 .0 1.4 .0 6.0 70T \$ 4.6 \$5.4 \$4.7 2.1 2.0 6.1 7.0 6.1 .0 .0 37.8 0-3 .8 1.2 1.2 .2 1.4 .1 1.1 1.2 .0 5.2 12.4 10+ 4-10 2.1 2.9 3.8 1.6 2.7 7.2 5.2 4.5 .0 29.9 11-21 .6 .6 3.0 .8 .8 .5 1.4 2.7 .0 10.4 22+ .2 .0 .0 .0 .0 .0 .0 .6 .0 .8 .8 .8 .5 1.4 2.7 .0 10.4	5<10	4-10	1.4				. 8	3.3			.0		17.5	
101 x 4.6 5.4 4.7 2.1 2.0 6.1 7.0 6.1 .0 .0 37.8 0-3 .8 1.2 1.2 .2 1.4 .1 1.1 1.2 .0 5.2 12.4 10+ 4-10 2.1 2.9 3.8 1.6 2.7 7.2 5.2 4.5 .0 29.9 11-21 .6 .6 3.0 .8 .8 .5 1.4 2.7 .0 10.4 22+ .2 .0 .0 .0 .0 .0 .0 .6 .0 .8		11-21	2.2		. 7	. 7		1.2			.0		11.6	
0-3 .8 1.2 1.2 .2 1.4 .1 1.1 1.2 .0 5.2 12.4 10+ 4-10 2.1 2.9 3.8 1.6 2.7 7.2 5.2 4.5 .0 29.9 11-21 .6 .6 3.0 .8 .8 .5 1.4 2.7 .0 10.4 22+ .2 .0 .0 .0 .0 .0 .6 .0 .8		22+	. 6	. 4	1.2	. 8	.0	1.0			.0		6.0	
10+ 4-10 2.1 2.9 3.8 1.6 2.7 7.2 5.2 4.5 .0 29.9 11-21 6 6 3.0 8 8 5 1.4 2.7 .0 10.4 22+ 22+ 2 .0 .0 .0 .0 .0 .0 .6 .0 .8		TOT %	4.6	5.4	4.7	2.1	2.0	6.1	7.0	6.1	.0	.0	37.8	
11-21 .6 .6 3.0 .8 .8 .5 1.4 2.7 .0 10.4						.2	1.4	.1				5.2		
11-21 .6 .6 3.0 .8 .8 .5 1.4 2.7 .0 10.4	10+		2.1				2.7	7.2						
22+ .2 .0 .0 .0 .0 .0 .6 .0 .8 TOT % 3.7 4.7 8.0 2.6 4.9 7.8 7.7 9.0 .0 5.2 53.4							. 8							
TOT % 3.7 4.7 8.0 2.6 4.9 7.8 7.7 9.0 .0 5.2 53.4			.2				.0	.0	.0				. 8	
		TOT %	3.7	4.7	8.0	2.6	4.9	7.8	7.7	9.0	.0	5.2	53,4	
		OT DES	8.9	11.2	14.1	5.5	7.7	15.3	15.5	16.2	.0		100.0	2

PERIOD:	(PRIMARY)	1922-1967 1884-1967

AREA 0022 CAPE TALBUT 12.95 126.5E

PERCENT	FREQUENCY	OF	CF	ILI	NG	HEIGHT	S	(FEET, NH	>4/81	AND
	nccus	REF	NCF	BF	NH	<5/8	BY	HOUR		

										1000000				
HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00603	.0	.0	•0	6.7	26.7	13.3	3.3	.0	.0	6.7	56.7	43.3	30	
90360	.0	.0	.0	11.1	22.2	11.1	.0	.0	.0	.0	44.4	55.6	27	
12815	.0	.0	•0	11.1	16.7	8.3	.0	.0	.0	.0	36.1	63.9	36	
18621	.0	.0	.0	3.4	10.3	13.8	3.4	.0	3.4	3.4	37.9	62.1	29	
PCT	.0	.0	.0	10 8.2	23	11.5	1.6	.0	.8	2.5	43.4	56.6	122	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	ICY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.0	6.6	3.9	38.2	51.3	76	00603	.0	.0	13.8	44.8	41.4	29
90360	.0	.0	2.3	4.7	37.2	55.8	43	90300	.0	.0	14.8	29.6	55.6	27
12615	.0	.0	3.6	3.6	43.4	49.4	83	12615	.0	.0	11.4	25.7	62.9	35
18621	.0	.0	7.4	3.7	31.5	57.4	54	18621	.0	.0	7.1	32.1	60.7	28
TOT PCT	.0	.0	13 5.1	3.9	96 38.3	135	256	TOT PCT	.0	.0	14	39	55.5	119

TABLE 13

TABLE 14

	PERCE	ENT FR	EQUENC	Y DF R	ELATIVE	E HUMI	D1TY 8	TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF H	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	₩	NW	VAR	CALM
90/94	.0	.0	.0	. 5	.0	.0	.5	.0	2	1.0	.0	.0	.0	. 1	.4	. 2	. 2	.0	.0	.0
85/89	.0	.0	.0	. 5	2.9			1.5	54	26.3	1.2	2.7	4.9	1.2	2.7	3.0	4.8	3.4	.0	2.4
80/84	.0	.0	.0	1.5	5.4	10.2	39.0	7.3	130	63.4	6.6	8.2	7.6	1.8	4.6	10.6	8.9	12.2	.0	2.9
75/79	.0	.0	.0	.0	.0	.0	1.0	8.3	19	9.3	.7	1.2	2.2	1.2	. 2	1.2	. 7	1.7	.0	.0
TOTAL	0	0	0	5	17	45	103	35	205	100.0								-		
PCT	.0	.0	.0	2.4	8.3	22.0		17.1			8.5	12.1	14.6	4.4	7.9	15.1	14.6	17.3	.0	5.4

TARLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR	MAX	991	95%	50%	5*	12	MIN	MEAN	TOTAL
(GMT)						_			OBS
00603	92	90	89	83	79	76	75	83.4	88
60340	90	89	88	84	79	78	78	84.4	47
12615	28	87	86	83	78	76	76	82.7	93
18391	85	84	84	82	78	77	77	82.1	60
TOT	92	90	87	83	79	77	76	83.1	288

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR

0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL

OBS

00603 .0 3.2 3.2 20.6 57.1 15.9 82 63

00609 .0 5.6 5.5 38.9 36.1 13.9 79 36

12615 .0 1.5 14.7 14.7 50.0 19.1 81 68

18621 .0 .0 7.0 23.3 48.8 20.9 83 43

TOT 0 5 17 47 104 37 81 210

MARCH

PERIOD: (PRIMARY) 1922-1967 (OVER-ALL) 1884-1967

TABLE 17

AREA 0022 CAPE TALBUT 12.95 126.5E

PCT FREW OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	89	TOT	W	WO
THP DIF	76	60	84	88	92		FOG	FDG
11/13	.0	.0	.0	.7	.0	1	.0	.7
7/8	. 0	.0	1.4	1.4	. 7	1 5	.0	3.5
6	.0	.0	.7	1.4	.0	3	.0	2.1
5	.0	.0	.0	2.1	.0	3	.0	2.1
4	.0	1.4	2.1	.7	. 0	3 6 5	.0	4.2
5 4 3 2 1	.0	. 7	.0	2.8	.0	5	.0	3.5
2	.0	. 7	4.2	2.8	.0	11	.0	7.7
1	.0	.0	9.2	4.9	.0	20	.0	14.1
0	.0	.0	8.5	4.2	.0	18	.0	12.7
-1	.0	2.1	4.9	3.5	.0	15	.0	10.6
-2	.0	2.1	6.3	2.8	.0	16	.0	11.3
-2 -3	.0	2.8	2.8	3.5	.0	13	.0	9.2
-4	.0	1.4	3.5	.0	.0	7	.0	4.9
-5	.0	1.4	4.2	.0	.0	7 8 6 2 2	.0	5.6
-6	.0	. 7	3.5	.0	.0	6	.0	4.2
-7/-8	.0	1.4	.0	.0	.0	2	.0	1.4
-9/-10	.7	.7	.0	.0	.0	2	.0	1.4
-11/-13	.0	.7	.0	.0	.0	1	.0	.7
TOTAL	1		73		1		0	142
		23		44		142		
PCT	.7	16.2	51.4	31.0	. 7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1967

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	. 9	.0	.0	• 0	• 0	.9	.0		.0	.0	.0	.0	.3	
1-2	.0	3.0	.0	.0	.0	•0	3.0	.0	4.8	0	.0	.0	.0	4.8	
3-4	.0	.0	1.8	.0	.0	.0	1.8	.0	.0	1.2	.0	.0	.0	1.2	
5-6	.0	1.2	.0	.0	• 0	• 0	1.2	.0	.0	1.8	.0	.0	.0	1.8	
.7	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	1.2	.0	.0	1.2	
8-9	.0	.0	.0	.0	• 0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	,0	.0	• 0	• 0	.0	•0		.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	• 0	.0	•0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	• 0	.0	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• ()	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• ()	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	5.1	1.8	.0	•0	• 0	6.9	.0	5.1	3.0	1.2	.0	.0	9.3	
				F							SE				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	1.2	. 9	.0	.0	.0	.0	2.1	.6	1.5	.0	.0	.0	.0	2.1	
1-2	.0	7.2	.0	.0	.0	.0	7.2	.0	1.5	1.2	.0	.0	.0	2.7	
3-4	1.2	2.4	2.4	• ()	• 0	.0	6.0	.0	1.2	2.4	.0	.0	.0	3.6	
5-6	.0	.0	6.3	1.2	• 0	.0	7.5	.0	.0	. 3	.0	.0	.0	. 3	
7	.0	.0	.0	1.2	.0	• 0	1.2	.0	.0	.0	.0	.0	.0	.0	
9-9	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	
23-25	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	•0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
BT+	2.4	10.5	9.7	2.4	• C	.0	24.1	.6	4.2	3.9		* 57	.0	8.7	

RIOD: (UVER-ALL) 1963-1967 AREA 0022 CAPE TALBOT
TABLE 18 (CONT) 12.95 126.5E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				P.C	I PREG D	F WIND	SPEED	(K12)	AND DIREC	LITUN	AEK202 2	EA HEIG	HIS (FI)			
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	1.8	4.2	.0	.0	.0	.0	6.0		.0	2.7	.0	.0	.0	.0	2.7	
1-2	.0	.0	1.2	.0	.0	.0	1.2		.0	6.0	.0	.0	.0	.0	6.0	
3-4	.0	.0	1.2	.0	.0	.0	1.2		.0	1.8	.3	.0	.0	.0	2.1	
5-6	.0	.0	.0	.0	.0	.0	. 0		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.8	4.2	2.4	.0	.0	.0	8.4		.0	10.5	.3	.0	.0	.0	10.8	
HGT	1-3	4-10	11-21	W 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	1.2	1.2	.0	.0	.0	.0	2.4		1-9	1.5	.0		.0	.0	1.5	FC 1
1-2		3.3	.9	.0					.0	6.6	1.5	.0		.0	8.1	
3-4	.0		.9	.0	.0	.0	4.2				3.0	• 0	.0		3.0	
5-6	.0	3.0	.0	.0	.0	.0	3.9		.0	.0		2.4	.0	.0	2.4	
7	.0		.0	.0	.0	.0	.0		.0	.0	.0		.0			
8-9	.0	.0		.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	•0	.0	.0		• 0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0			.0		.0				.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	• 0	.0		• 0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0	.0	.0	.0	.0		.0		.0	• 0	.0	.0	.0	
20-22	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	•0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	• 0	.0	. 0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	• 0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		• 0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.2	7.5	1.8	.0	• 0	• 0	10.5		.0	8.1	4.5	2.4	.0	.0	15.1	94.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	10.8	13.3	.0	.0	.0	.0	24.1	003
1-2	.0	32.5	4.8	.0	.0	.0	37.3	
3-4	1.2	8.4	13.3	.0	.0	.0	22.9	
5-6	.0	1.2	8.4	3.6	.0	.0	13.3	
7	.0	.0	.0	2.4	.0	.0	2.4	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								83
TOT PCT	12.0	55.4	26.5	6.0	.0	.0	100.0	

PERIOD: (DVER-ALL) 1964-1967 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

(SEC)	< 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	18.1	33.7	13.3	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	57	2
6-7	.0	2.4	3.6	4.8	9.6	.0	.0	. D	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	5
8-9	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	4	7
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	0
TOTAL	19	30	15	7	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	3
PCT	22.9	36.1	18.1	8.4	14.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (1924-1969 1871-1969
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TABLE 1

AREA 0022 CAPE TALROT 13.15 126.4E

PERCENT FO	PEOLIENCY	DE	WEATHER	DCCURRENCE	BY	WIND	DIRECTION
------------	-----------	----	---------	------------	----	------	-----------

			р	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
WNO DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SND	
N	4.1	2.1	.0	.0	.0	.0	.0	6.2	.0	3.1	.0	.0	.0	.0	90.7
NE	. 9	7.0	1.8	.0	.0	.0	.0	9.7	.0	.0	.0		.0	.0	90.3
ε	.0	4.7	1.2	.0	.0	.0	.0	5.8	.0	.0	2.9	.0	.0	.0	91.2
SE	1.8	.0	.0	.0	.0	.0	.0	1.8	.0	.0	6.2	.0	.0	.0	92.0
3.	.0	.0	.0	.0	.0	- 0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
	.0	6.0	.0	.0	.0	.0	.0	6.0	.0	.0	.0	.0	.0	.0	94.0
NW W	2.3	6.9	.0	.0	.0	.0	.0	9.2	.0	5.7	.0	.0	.0	.0	85.1
			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	2.4	.0	2.4	.0	95.2
TOT PCT TOT OBS:	340	3.2	.6	.0	•0	.0	.0	4.7	•0	.6	2.1	.0	. 3	.0	92.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	1.0 .0 .0 2.9	7.6 .0 1.6 4.3	.0 .8 1.4	.0	•0	.0	.0	8.6 .0 2.4 8.7	.0	.0 1.6	1.0 .0 3.2 4.3	.0	.0 .0 .0	.0	90.5 100.0 92.9 85.5
TOT PCT	.8	3.5	.5	.0	•0	.0	.0	4.9	.0	.5	2,2	.0	.3	.0	92.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3		ND SPE 11-21		0T5) 34~47	48+	TOTAL	FCT FREQ	MEAN SPD	00	03	06	HOUR 09	(GMT)	15	18	21	
N	1.3	4.1	1.3	.1	.0	.0		6,8	7.6	3.8	4.0	6.1	8.6		10.6	2.7	12.5	
NE	2.2	9.4				.0		16.1	8.9	10.4	15.0	20.3	20.7	13.5	18.1	16.2		
INE		15.2				.0		25.4	9.0	15.0	33.5	28.4	35.2	25.4	30.9	9.5	30.4	
E	3.0					.0		17.0	8.3	26.7	22.5	11.5	24.1	13.2	10.6	14.9	8.9	
SE	2.0	10.1	4.9						5.8	22.9	7.0		.0	.0	5.3	.0	7.1	
S	1.7	4.7	.5	.0	.0	• 0		6.B									1.8	
Sw	. 8	2.6	.2	.0	.0	.0		3.6	6.6	5,4	1.0	4.1	1.7	6.4	4.3			
W	1.0	3.4			.0	.0		4.8	6.1	5,8	2.0	10.1	1.7	3.5	5.3	5.4	5.4	
NW	1.5	4.3				.0		6.4	6.1	3,3	5.0	4.1	3.4	9.5	6.4	10.8	7.1	
		0.00						.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5	
VAR	.0	.0	• 0	.0	.0	.0					10.0			20.0	8.5		3.5	
CALM	13.1							13.1	.0	6.7			3.4				28	
TOT OBS	95	192	66	4	1	D.	35B		7.0	60	50		50	70	47	37		
TOT PCT	26.5	53.6			.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

		WIND	SPEED	(KNOTS)						HOUR	(GMT	,
WND DIR	0-6	7-16	17-27		41+	TOTAL	PCT	MEAN	00	06	12	16
MAD OIK	0-0	7-10	11-21	20-40		DBS	FRED	SPD	03	09	15	51
N	3.5	2.7	.4	.1	.0		6.8	7.6	3.9	7.2	9.2	6.9
NE	6.8	7.3	2.0	.1	.0		16.1	8.9	12.5	20.5	15.4	19.2
	9.7	12.6	2.9	.1	.0		25.4	9.0	23.4	31.8	27.6	18.5
SE	7.1	8.6	1.3	.0	.0		17.0	8.3	24.8	17.0	12.2	12.3
		2.5		.0	.0		6.8	5.8	15.7	4.2	2.1	3.1
SW	4.3		.0	.0	.0		3.6	6.6	3.4	3.0	5.6	. 8
SW	1.7	1.8	.0	.0			4.8	6.1	4.1	6.4	4.3	5.4
w	3.1	1.5	.3	.0	.0			6.1	4.1	3.8	8.3	9.2
NW	4.5	1.5	.3	.1	.0		6.4					
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	13.1					1000	13.1	7.0	8.2	6.1	15.4	24.6
TOT DAS	193	138	25	2	0	358		7.0	110	66	117	65
TOT PCT	53.9	38.5	7.0	.6	.0		100.0		100.0	100.0	100.0	100.0

D		

AREA 0022 CAPE TALBUT 13.15 126.4E

								APRIL				
PERIOD:	(PRIMARY) (OVER-ALL)	1924-196 1871-196						TABLE 4				A
				PER	CENTAGE	FREQUE	NCY DF	WIND SP	EED BY	HOUK	(GMT)	
		HOUR	CALM	1-3	4-10	WIND 11-21	SPEED 22-33	34-47	48+	MEAN	PCT FREQ	TOTAL
		00803 06809 12815	8.2 6.1	10.9 12.1 15.4	53.6 59.1 55.6	26.4 22.7 12.0	.9	.0	.0	7.7	100.0 100.0	110 66 117
		18621 TOT TOT	24.6 47 13.1	15.4	44.6 192 53.6	12.3	1.5	1.5	.0		100.0	65 358

F	CT FRE			LOUD A		EIGHTHS)							CEILIN NH <5/					
WNO DIR	0-2	3-4	5-7	8 & 08500	TOTAL	CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH C5/8 ANY HGT	
N	1.7	.0	1.0	1.5		4.4	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	2.7	
NE	5.4	5.1	2.0	. 5		2.7	. n	.0	.0	.0	2.5	.0	.0	.0	.0	.0	10.5	
E	13.0	1.7	1.0	.0		1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.7	
SE	10.5	1.0	.0	.0		. 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5	
S	7.1	4.2	.0	.0		1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.3	
SW	5.4	2.7	.0	.0		1,3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	
W	5.6	.0	2.0	.0		1.8	.0	.0	.0	.0	1.0	.0	.0	. 0	.0	.0	6.6	
NW	3.2	2.0	.0	.0		1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	21.0	1.0	1.0	.0		. 7	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	22.5	
TOT OBS	75	18	7	2	102	1.6	0	0	0	0	5	0	0	0	1	0	96	102
TUT PCT	73.5	17.6	6.9	2.0	100.0		.0	.0	.0	.0	4.9	.0	.0	• 0	1.0	.0	94 1	100.0

TABLE 7

CUMULATIVE	PCT	FREQ	OF	SIMUL	TANEDL	15	occ	URREN	C E
DE CETITI	NC H	TOUT	CNE	34/8	1 AND	VSI	RY	INMI	

				VSBY (NE	1)			
CEILIM	G . DR	• DR	= DR	= OR	= DR	- DR	- OR	· DR
(FEFT		>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR >650	00 1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
. DR >500	0 1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
. DR >350	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
• DR >200		1.0	1.0	1.0	1.0	1.0	1.0	1.0
. DR >100	00 5.8	5.8	5.8	5.8	5.8	5.8	5.8	5,8
. UR >500		5.8	5.8	5.8	5.8	5.8	5.8	5.8
. DR >300		5.8	5.8	5.8	5.8	5.8	5.8	5.8
. OR >150	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
. UR > 0	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
TOTA	14 6	6	6	6	6	6	6	6

TOTAL NUMBER OF DBS: 103 PCT FREO NH <5/8: 94.2

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSC0 0BS 42.6 30.6 8.3 7.4 5.6 3.7 .9 .9 .0 .0 108

								A	PRIL						
PERIOD:	(PRIMARY) (OVER-ALL)	1924-1969 1871-1969						TA	BLE 8				ARE		TALBOT 126.4E
			P	ERCENT	FREQ PREC	OF WIN	D DIRE	CTION TH VAR	VS DCC	URRENC!	E OR N	IBILI	CURRENC TY	E OF	
	VSBY		N	NE	F	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1/2<	I NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		PCP	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		PCP	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	2<5	NO PCP	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT %	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		PCP	.4	1.6	1.2	.3	.0	.0	.3	.6	.0	.0	4.4		
	5<10	NO PCP	5.3	9.6	16.3	11.4	3.5	1.0	2.2	3.1	.0	4.4	56.8		
		TOT %	5.7	11.2	17.4	11.7	3.5	1.0	2.5	3.7	.0	4.4	61.2		
		PCP	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3		
	10+	NO PCP	1.4	5.5	7.4	4.9	3.7	2.6	2.4	2.7	.0	7.9	38.5		
		TOT %	1 - 4	5.5	7.7	4.9	3.7	2.6	2.4	2.7	.0	7.9	38.8		
		TOT OBS										12 (100.0	340	
		IUI PCI	1.1	16.7	25.1	16.5	7.2	3.6	4.9	6.4	.0	12.4	100.0		

TABLE 9

				PERCEN	T FREQ WITH V	OF WING	VALUE	ECTION S OF V	VS WIL	ND SPE	ED		
VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2 < 5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	1.0	1.6	1.2	1.2	.7	.0	.9	1.0	.0	4.4	12.1	
5<10	4-10	3.4	5.6	10.4	7.0	2.5	. 9	1.2	2.1	.0		32.9	
	11-21	1.2	3.7	5.6	3.5	. 3	. 1	. 4	. 4	.0		15.3	
	22+	. 1	.3	. 3	.0	.0	.0	2.5	. 1	.0		. 9	
	TOT %	5.7	11.2	17.4	11.7	3.5	1.0	2.5	3.7	.0	4.4	61.2	
	0-3	.3	.7	2.0	.7	1.0	. 8	.1	.6	.0	7.9		
10+	4-10	1.0	4.3	4.7	2.7	2.4	1.7	2.3	2.1	.0		21.2	
	11-21	. 1	.6	. 7	1.5	. 2	. 1	.0	.0	.0		3.2	
	22+	.0	.0	. 3	.0	.0	.0	.0	.0	.0		. 3	
	TOT %	1.4	5.5	7.7	4.9	3.7	2.6	2.4	2.7	.0	7.9	38.8	
7	DT DAS												340
1	OT PCT	7.1	16.7	75.1	16.5	7.2	3.6	4.9	6.4	.0	12.4	100.0	

PERIOD: (PRIMARY) 1924-1969 (DVER-ALL) 1871-1969

TABLE 10

AREA 0022 CAPE TALBOT 13.15 126.4E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600 999	1000	3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.0	.0	• 0	.0	8.0	.0	.0	.0	.0	.0	8.0	92.0	25
05809	.0	.0	.0	.0	7.4	.0	.0	.0	.0	.0	7.4	92.6	27
12815	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	3.2	96.8	31
18821	.0	.0	•0	.0	.0	.0	.0	.0	4.0	.0	4.0	96.0	25
TOT	0	.0	.0	.0	4.6	.0	.0	.0	.9	.0	5.6	102	108

TABLE 11

TABLE 12

								CUMULAI					AZBA (MW)	
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR			CEILIN	G HGT	(FEET,	NH >4/8) BY HOUR	
HOUR (GMT		1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
0080	3 .0	.0	• 0	.0	65.7	34.3	105	00803	.0	.0	.0	8.3	91.7	24
0360	9 .0	.0	• 0	.0	55.2	44.8	67	06809	.0	.0	.0	7.4	92.6	27
1281	5 .0	.0	• 0	.0	67.5	32.5	126	12815	.0	.0	.0	3.4	96.6	29
1882	1 .0	.0	• 0	.0	56.5	43.5	69	18621	.0	.0	.0	4.3	95.7	23
TOT	0	-	.0	0	230	137	367	TOT	.0	0	0	5.8	97	103

TASLE 13

TABLE 14

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FF	EQUENC	Y DF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	5	SW	W	NW	VAR	CALM
90/94	.0	.0	.0	. 4	.7	.7	.0	.0	5	1.8	.0	. 1	1.2	. 5	.0	.0	.0	.0	.0	.0
85/89	.0	. 4	1.4	4.7	8.3	13.4	6.1	. 4	96	34.7	2.6	5.1	9.0	6.4	2.7	.7	1.8	1.5	.0	4.7
80/84	.0	.0	4.7	4.3	9.0	19.1	20.9	2.5	168	60.6	4.9	10.5	14.4	11.1	4.2	2.3	2.5	4.5	.0	6.1
75/79	.0	.0	.0	.0	.0	1.1	.7	1.1	8	2.9	.0	1.1	. 9	.5	.0	.0	.0	. 4	.0	.0
TOTAL	0	1	17	26	50	95	77	11	277	100.0										
PCT	.0	. 4	6.1	9.4	18.1	34.3	27.8	4.0			7.5	10.8	25.5	18.6	6.9	3.1	4.3	6.4	.0	10.8

TARLE 15

TABLE 16

	ME ANS,	EXTREMES	AND	PERCEN	TILES	OF TEN	IP (DE	GF) B	Y HOUR	
HOUR (GMT)	мдх	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	
00803	91 91	90	89	84	81	78 77	78 77	84.2	111	
12615	88	87	87	84	80	76	75	83.6	128	
18521	87 91	86	85	83	79	77	77	82.9	71 375	

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR
HUUR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL

(GMT)								DBS
00603	.0	16.7	17.9	28.6	33.3	3.6	71	84
90300	.0	22.6	26.4	22.6	26.4	1.9	70	53
12615	.0	12.0	15.7	38.9	27.8	5.6	74	108
18821	.0	12.1	22.4	34.5	25.9	5.2	73	58
TOT	0	46	59	98	87	13	72	303

APRIL

PERIOD: (PRIMARY) 1924-1969 (DVER-ALL) 1871-1969

TABLE 17

AREA 0022 CAPE TALBUT 13.15 126.4E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	8.5	89	101	W	WO
TMP DIF	76	80	84	88	92		FOG	FDG
9/10	.0	.0	.0	.0	.5	1	.0	.5
7/6	.0	.0	.0	. 5	1.1	3	.0	1.6
	.0	.0	.0	1.1	1.1	4	.0	2.1
	.0	.0	.5	.5	1.1	4	.0	2.1
6 5 4 3 2 1	.0	.0	. 5	1.1	.5	4	.0	2.1
3	.0	.0	1.6	5.3	.0	13	. 5	6.3
2	.0	, 5	4.2	3.2	1.1	17	.0	8.9
1	.0	. 5	6.8	3.2	.0	20	1.1	9.5
Ô	.0	1.6	14.2	3.7	.0	37	1.1	18.4
-1	.0	.0	14.2	4.7	.0	36	. 5	18.4
-2	.0	2.1	4.2	3.2	.0	18	. 5	8.9
-3	.0	. 5	3.7	3.7	.0	15	.0	7.9
-4	.5	1.1	3.7	.0	.0	10	.0	5.3
-5	.0	.5	3.2	.0	.0	. 7	.0	3.7
		.0	.5	.0	. 0	1	.0	. 5
-6	.0	. 0	109	• 0	10	•	7	183
TOTAL	1		107	57	10	190	,	105
PCT	.5	13 6.8	57.4	30.0	5.3	100.0	3.7	96.3

PERIOD: (OVER-ALL) 1963-1969

TABLE 18
PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

PCT 4.8 7.7 ... 0 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 1-3 \$E 22-33 34-47 48.000.000.000.000.000.000 1-3 11-21 34-47 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 26-32 33-40 41-48 49-60 61-70 71-86 11-21 1-34.00

PERIOD: (DVER-ALL) 1963-1969

TABLE 18 (CUNT)

AREA 0022 CAPE TALBOT 13.15 126.4E

PCT	FREO I	DE WINE	SPEER	IVESI	AND	DIRECTION	VERSIL	SEA	HEIGHTS	CETS

				PC	T FREQ I	OF WIND	SPEED	(KTS) AND DIR	ECTION V	ERSUS S	EA HEIG	HTS (FT)			
				s							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	1.1	4.4	.0	.0	.0	.0	5.5	.0		.0	.0	.0	.0	.0	
1-2	1.5	2.6	.0	.0	.0	.0	4.0	.0	3.3	.0	.0	.0	.0	3.3	
3-4	.0	.0	1.1	.0	.0	.0	1.1	.0		.4	.0	.0	.0	1.8	
5-6	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
13-16	. 0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	0 -	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	• C	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.6	7.0	1.1	.0	.0	.0	10.7	.0	4.8	.4	.0	.0	.0	5.1	
											NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	1.5	.0	.0	.0	.0	1.5	.0	1.5	.0	.0	.0	.0	1.5	
1-2	.0	2.9	.0	.0	• 0	.0	2.9	.0	.4	.0	.0	.0	.0	. 4	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
TOT PCT	.0	4.4	.0	.0	• 0	• 0	4.4	.0	1.8	.0	.0	.0	.0	1.8	70.6

MIND	SPEED	(KTS)	٧S	SEA	HEIGHT	(FT)

	HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
	<1	38.6	12.9	.0	.0	.0	.0	51.4	OBS
	1-2	2.9	32.9	.0	.0	.0	.0	35.7	
	3-4	.0	1.4	4.3	.0	.0	.0	5.7	
	5-6	.0	4.3	1.4	.0	.0	.0	5.7	
	7	.0	.0	1.4	.0	.0	.0	1.4	
	8-9	.0	.0	.0	.0	.0	.0	.0	
	10-11	.0	.0	.0	.0	.0	.0	.0	
	12	.0	.0	.0	.0	.0	.0	.0	
	13-16	.0	.0	.0	.0	.0	.0	.0	
	17-19	.0	.0	.0	.0	.0	.0	.0	
	20-22	.0	.0	.0	.0	.0	.0	.0	
	23-25	.0	.0	.0	.0	.0	.0	.0	
	26-32	.0	.0	.0	.0	.0	.0	.0	
	33-40	.0	.0	.0	.0	.0	.0	.0	
	41-48	.0	.0	.0	.0	.0	.0	.0	
	49-60	.0	.0	.0	.0	.0	.0	.0	*
	61-70	.0	.0	.0	.0	.0	.0	.0	
	71-86	.0	.0	.0	.0	.0	.0	.0	
	87+	.0	.0	.0	.0	.0	.0	.0	-
			-	401 11					70
-1	OT PCT	41.4	51.4	7.1	.0	.0	.0	100.0	

PERIOD: (UVER-ALL) 1964-1969 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	< 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	8.5	32.4	7.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	37	2
6-7	1.4	2.8	5.6	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	2
8-9	1.4	1.4		1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
10-11	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	28.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	0
TOTAL	28	27	11	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	2
PCT	39.4	38.0	15.5	5.6	1.4	.0	.0	-0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

u	٨	v	

				MAY				
PERIOD:	(PRIMARY) (DVER-ALL)			TABLE	1	AREA 002	2 CAPE 13.15	
		PERCENT	FREQUENCY	OF WEATHER	DCCURRENCE	BY WIND DIRECTION		
		PRECIPITATION	TYPE			OTHER WEATHER	PHENOM	ENA

			P	RECIPI	TATION	TYPE					DTHER	WEATHER	PHEND	MENA	
HND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMUKE HAZE	SPRAY BLWG DUST BLWG SND	
N NE	7.3	.0	.0	.0	.0	.0	.0	7.3	.0	.0	.0	.0	.0	.0	92.7
NE	2.1	.0	.0	.0	.0	.0	.0	2.1	.0	2.5	.0	.0	3.7	.0	92.9
E	.3	.9	.0	.0	.0	.0	.0	1.2	.0	. 9	. 6	.0	1.5	.0	95.7
E S E	. 7	. 3	.7	.0	.0	.0	.0	1.7	.0	. 3	.0	.0	4.5	.0	93.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0	4.0	.0	93.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	97.9
W	.0	7.1	.0	.0	.0	.0	.0	7.1	.0	.0	7.1	.0	.0	.0	85.7
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.8	.6	.2	.0	• 0	.0	.0	1.6	.0	1.2	.4	.0	2.7	.0	94.4

TABLE 2 PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	Y TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	PAIN	RAIN	DRZL	FRZG PCPN	SNCW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	.6 .0 1.1 1.8	1.1 1.1 .0	.0	.0	.0	.0	.0	1.3 1.1 2.7 1.8	.0	.0 2.2 3.7	.6 .0 1.1	.0	1.9 2.1 4.4	.0	96.2 96.8 90.1 93.6
TOT PCT	544	.7	.2	.0	•0	.0	.0	1.8	.0	1.5	.6	.0	2.6	.0	93.8

TABLE 3 PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

					-				TO SHOW THE SAME OF THE SAME O								
		WIN	Yn SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT	MEAN SPD	00	03	06	09	12	15	1.8	21
N	.2	2.1	.1	.0	.0	.0		2.4	6.7	2.6	1.5	6.6	3.7	2.8	.0	3.4	. 5
NE	3.4	11.8	1.9	.0	.0	.0		17.0	7.0	6.9	5.9	11.2	30.6	28.0	30.4	4.8	12.2
E	4.6	19.8	6.5	. 8		.0		31.6	8.3	26.3	36.8	36.8	34.3	27.8	40.6	19.7	36.7
SE	4.7	15.1	6.3	1.3		.0		27.4	8.5	39.8	41.2	23.7	13.9	19.7	13.0	32.2	33.7
S	3.7	5.1	.6	.0		.0		9.4	5.3	17.3	13.2	7.9	2.8	6.0	6.5	11.1	6.1
SW	1.6	2.7	. 2			.0		4.5	5.1	2.0	. 7	8.6	9.3	3.9		5.8	7.1
W	1.9	. 7	.0			.0		2.6	3.9	1.0	.0	.0	4.6		4.3	3.8	2.5
NW	. 2	.7	.0			.0		. 8	5.0	.0	. 7	.0	. 9	1.4	.0	3.8	. 5
VAR	.0	.0	.0			.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5
CALM	4.3	•••				• •		4.3	.0	4.1	.0	5.3	.0	6.4	1.4	15.4	2.3
TOT DBS	131	311	84	11	0	0	537		7.2	98	68	38	54	109	69	52	49
TOT PCT	24.4	57.9	15.6			.0	231	100.0						100.0			100.0

					TAB	LE 3A						
		WIND	SPEED	(KNOTS)						нац	R (GMT)
WND DIR	0-6	7-16	17-27	28-40	41+	DAS	FRED	MEAN	00	06	12	18
						083	FREE	5PD	03	09	15	21
N NE	1.2	1.2	.0	.0	.0		2.4	6.7	2.1	4.9	1.7	1.7
NE	8.2	8 . 4	.0	.0	.0		17.0	7.0	6.5	22.6	28.9	8.4
E	12.3	17.7	1.4	. 2	.0		31.6	8.3	30.6	35.3	32.7	28.0
SE	11.9	13.2	2.3	:2	.0		27.4	8.5	40.4	17.9	17.1	32.9
5	6.2	3.2	.0	.0	.0		9.4	5.3	15.7	4.9	6.2	8.7
	3.3	1.2	.0	.0	.0		4.5	5.1	1.5	9.0	3.8	6.4
SW W	1.9	. 7	.0	.0	.0		2.6	3.9	. 6	2.7	4.2	3.0
NW	.7	. 2	.0	.0	.0		. 8	5.0	. 3	. 5	. 8	2.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.3						4.3	• 0	2.4	2.2	4.5	8.9
TOT DAS	268	246	22	1	0	537		7.2	156	92	178	101
TOT PCT	49.9	45.8	4.1	. 2	.0		100.0		100.0	100.0	100.0	100.0

PERIOD:	(PRIMARY)	1891-1969
	(DVER-ALL)	

AREA 0072 CAPE TALBOT 13.15 125.8E

PERCENTAGE	FREQUENCY	ne	WIND	SPEED	RY	HOUR	(CMT)
PERCENTAGE	EREQUENCY	UF	MINO	SPECO	0 1	HUUK	1 GMI

HOUR	CALM	1-3	4-10	WIND 11-21	2	(KNOTS) 34-47	48+	MEAN	PCT FREQ	DBS
00603	2.4	24.1	55.4	13.9	4.2	.0	.0	7.3	100.0	166
90300	2.2	19.6	50.0	26.1	2.2		.0	8.1	100.0	92
12615	4.5	18.5	64.0	12.9	.0	.0	.0	6.7	100.0	178
18821	8.9	16.8	58.4	13.9	2.0	.0	.0	6.9	100.0	101
TOT	23	108	311	84	11	0	0	7.2		537
PCT	4.3		57.9	15.6	2.0	.0	.0		100.0	

			1 4	BLE 5								1.5						
	PCT FRE			LOUD A		EIGHTHS)		,					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & DBSCD	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH C5/8 ANY HGT	
N	2.2	.7	.6	1.3		3.4	.0	.0	.0	.6	.0	.0	.0	.0	.0	.7		
NE	8.8	.0	.6	. 2		.9	.0	.0	.0	. 2	.0	.0	.0	.0	.0	. 2	9.2	
				1.7		1.7	.0	.0	.0	.6	.0	.0	.0	.0	.0	2.4	20.2	
	17.1	2.0	2.4			2.2	.0	.0	.0	. 2	1.5	. 7	.0	.0	.0	1.1	23.5	
SE	18.0	3.9	2.4	2.9				.0	.0	.0	-	.0	.0	.0	.0	.0	10.8	
S	10.8	.0	.0	. 7		. 9	.0				• ′				.0	.0		
SW	4.8	1.5	.0	. ^		1.1	.0	.0	.0	.0	.0	.0	.0	.0			2.2	
W	2.2	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
NW	2.2	.0	.0	.0		. 6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
						7	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 7	12.5	
CALM	11.8	.7	.0	• '			• • •	0	0	2	2	1	0	0	0	7	123	135
TOT OBS		12	- *	10	136	1.5	0		.0	1.5	2.2	;	0	.0	.0	5.1	90.4	100.0
TOT PCT	77.9	8.8	5.9	7.4	100.0		.0	• 0	• 0	1	2.2	• '	.0	• 0	• 0	2.1		

TABLE 7

CUMULATIVE PCT FREQ DF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CFILING	• DR	- DR	· DR	= DR	= DR	- DR	• DR	. JR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
■ DR >5000	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
■ DR >3500	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
■ DR >2000	5.1	5.8	5.8	5.8	5.8	5.8	5.8	5.8
■ DR >1000	8.0	8.8	8.8	8.8	8.8	8.8	8.8	8.8
• OR >600	8.6	10.2	10.2	10.2	10.2	10.2	10.2	10.2
■ DR >300	8.8	10.2	10.2	10.2	10.2	10.2	10.2	10.2
■ DR >150	8.8	10.2	10.2	10.2	10.2	10.2	10.2	10.2
• DR > 0	8.8	10.2	10.2	10.2	10.2	10.2	10.2	10.2
TOTAL	12	14	14	14	14	14	14	14

TOTAL NUMBER OF DBS: 137 PCT FREQ NH <5/81 89.8

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 54.5 17.5 9.1 4.9 2.1 1.4 2.8 .7 7.0 .0 143

MAY

PERIOD: (PRIMARY) 1891-1969 (OVER-ALL) 1858-1969

TABLE 8

AREA 0022 CAPE TALBUT 13.15 125.8E

		,	ERCENT	PREC	IPITAT	IDN MI	TH VAR	YING VA	LUES (OF VIS		CURRENC	E UF
VSBY		N	NE	E	SE	5	SW	×	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	
1/2	NO PCP	.0	.0	. 2	.0	.0	.0	.0	.0	.0	.0	. 2	
	TOT \$.0	.0	. 2	.0	.0	.0	.0	.0	.0	.0	. 2	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
/2<1		• 0	.0	.0	.0	. 1	. 1	. 2	.0	.0	.0	. 4	
	TOT %	.0	.0	.0	.0	. 1	. 1	. 2	.0	.0	.0	.4	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<2	NO PCP	.0	.6	.5	1.3	. 4	.0	.0	.0	.0	.0	2.7	
	TOT &	• 0	.6	. 5	1.3	. 4	.0	.0	.0	.0	.0	2.7	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<5	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	101 \$.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	• 1	. 3	.4	. 1	.0	.0	.2	.0	.0	.0	1.2	
<10	NO PCP	. 6	12.0	19.6	15.7	5.9	2.9	1.7	. 3	.0	. 8	60.5	
	10T %	. 7	12.4	20.0	15.8	5.9	2.9	1.9	. 3	.0	. 8	61.6	
	PCP	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	
0+	NO PCP	1.3	2.9	11.1	9.8	3.3	1.6	.6	.6	.0	3.5	34.7	
	TOT X	1.3	2.9	11.1	14.2	3.3	1.6	.6	.6	.0	3.5	35.1	
	TOT DBS												51
	TOT PCT	2.0	15.8	31.7	28.2	9.7	4.7	2.7	. 9	.0	4.3	100.0	

TABLE 9

VSBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS												DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	. 2	.0	.0	.0	.0	.0	.0		. 2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	. 2	.0	.0	.0	.0	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	. 1	. 1	. 2	.0	.0	.0	.4	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	.0	.0	. 1	.1	. 2	.0	.0	.0	.4	
	0-3	.0	. 2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1<2	4-10	.0	. 2	. 4	.0	. 4	.0	.0	.0	.0		1.0	
	11-21	.0	. 2	. 1	1.1	.0	.0	.0	.0	.0		1.4	
	22+	.0	.0	.0	. 2	.0	.0	.0	.0	.0		. 2	
	TOT \$.0	.6	.5	1.3	. 4	.0	.0	.0	.0	.0	2.7	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	. C	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.2	3.1	3.6	3.4	3.1	1.6	1.7	. 2	.0	.8	17.6	
5<10	4-10	. 4	8 . 4	13.5	10.9	2.5	1.4	. 2	. 1	.0		37.4	
	11-21	. 1	.9	2.9	2.4	.3	.0	.0	.0	.0		6.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	.0	
	TOT %	. 7	12.4	20.0	16.8	5.9	2.9	1.9	. 3	.0	. 8	61.6	
	0-3	.0	.2	1.2	1.5	.6	.0	.0	.0	.0	3.5	7.0	
10+	4-10	1.3	2.3	5.9	4.8	2.4	1.4	. 6	. 6	.0		19.2	
	11-71	.0	. 3	3.2	2.8	.3	. 2	.0	.0	.0		7.0	
	22+	.0	.0	. 8	1.1	.0	.0	.0	.0	.0		1.9	
	TOT %	1.3	2.9	11.1	10.2	3.3	1.6	.6	.6	.0	3.5	35.1	
T	DT DAS	2.0			28.2	9.7	4.7	2.7	. 9				515

AREA 0022 CAPE TALBOT 13.15 125.8E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR	000	150 299	300 599	600	1000	2000 34 9 9	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	.0	7.4	.0	.0	.0	.0	.0	.0	7.4	92.6	27
06609	.0	.0	.0	.0	6.3	.0	.0	.0	.0	9.4	15.6	84.4	32
12615	.0	.0	.0	.0	2.4	.0	.0	.0	.0	9.8	12.2	87.8	41
18621	.0	.0	•0	.0	2.5	2.5	.0	.0	.0	.0	5.0	95.0	40
TOT	.0	.0	.0	2	2.9	.7	.0	.0	.0	5.0	10.0	126	140

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR		
HOUR (GMT)		1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL	
00800	6	.0	1.9	.0	70.3	27.2	158	00803	.0	.0	7.7	.0	92.3	26	
06609	0	•0	2 • 1	.0	56.8	41.1	95	06609	.0	.0	.0	15.6	84.4	32	
1261		1.6	4.4	.0	62.1	31.9	182	12615	.0	.0	.0	12.2	87.8	41	
1862	0	.0	. 9	.0	56.9	42.2	109	18621	.0	.0	.0	5.3	94.7	38	
TOT	1	3	14	0	340	186	544	TOT	0	0	, 2	12	123	137	

TABLE 13

TABLE 1

																-				
	PERCE	NT FRE	ONENC.	Y OF R	ELATIV	E HUMI	DITY BY	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y QF W	IND DI	RECTION	87 TE	мр	
TEMP F	0-29	30-39	40-49	50~59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	5 W	W	NW	VAR	CALM
90/94	.0	.0	.0	.0	. 5	.0	.0	.0	1	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
85/89	.0	.0	. 5	3.3	2.8	2.8	1.4	.0	23	10.7	.0	.6	3.7	4.3	. 7	. 5	.0	.0	.0	. 9
80/84	.0	. 9	4.7	9.3	19.5	21.9	12.6	3.3	155	72.1	2.0	4.7	25.0	25.7	4.5	. 9	1.4	.5	.0	7.4
75/79	.0	. 5	2.3	6.0	2.8	3.3	. 5	.5	34	15.8	.7	.7	4.5	7.6	1.9	.0	.0	.0	.0	. 5
70/74	.0	.0	.0	. 5	.0	.0	. 5	.0	2	.9	.0	.0	.5	. 2	. 2	.0	.0	.0	.0	.0
TOTAL	0	3	16	41	55	60	32	8	215	100.0										
PCT	- 0	1.4	7.4	19.1	25.6	27.9	14.9	3.7			2.7	5.9	34.2	37.8	7.3	1.4	1.4	. 5	.0	8.6

TABLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	R.
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
F0300	91	89	86	82	76 78	73 75	70	81.8	163	00603	.0	23.2	28.6	17.9	21.4	8.9	70 55	56
17615 18621	86 85 91	85 84 87	84 84 85	82 81 82	79 77 77	76 75 75	76 75 70	81.6 81.1 81.8	180 106 541	12815 18821 TOT	.0	23.1	24.4	32.1 37.5 65	16.7 16.1	3.8	70 70 59	78 56 232

MAY

PERIOD: (PRIMARY) 1891-1969 (OVER-ALL) 1858-1969

TABLE 17

AREA 0022 CAPE TALBUT 13.15 125.8E

PCT FRFQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

7 DT	F0G	FDG .5
2 5 9 7	.0	.5 1.2
2 5 9	.0	1.2
5		1.2
9	.0	
7		2.1
	.0	1.6
15	.0	3.5
31	. 2	6.9
76	.0	17.6
97	.2	22.2
80	.0	18.5
47	. 2	10.5
		7.9
		2.3
		3.2
		. 2
3		. 7
	3	430
433		
	.7	99.3
	15 31 76 97	15 .0 31 .2 76 .0 97 .2 80 .0 47 .2 34 .0 12 .0 1 .0 3 .0 3

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

11-21 27-33 .0 4-10 HGT <1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
243-25
26-32
243-20
41-48
49-60
61-70
71-86
87+ 1-3 48+ 1-3 22-33 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-40 61-70 71-86 87+ 7bT PCT PCT 48+ 34-47 PCT 3.8 8.3 5.8 4.3 1.0 .0 .0 .0 .0 .0 .0 .0 1-3 1.5

				P.C	I PREG U	F WIND	SPEED (IKIS) MUD DIKE		C . 203 3	EN HETO				
				5							SW			0.7	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT 1.0	
<1	2.5	2.8	.0	.0	.0	.0	5.3	.0	1.0	.0	.0	.0	.0	1.0	
1-2	.0	1.8	.0	.0	• 0	.0	1.8	.0	1.0	.0	.0	.0	.0		
3-4	.0	1.8	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	2.3	
5-6	.0	.0	. 8	.0	.0	.0	. 8	.0	1.0	1.3	.0	.0	.0		
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TET PCT	2.5	6.3	. 8	.0	.0	.0	9.6	.0	3.0	1.3	.0	.0	.0	4.3	
				w							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	1.0	.0	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	1.0	
1-2	.0	1.0	.0	.0	.0	.0	1.0	.0	2.0	.0	.0	.0	.0	2.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	. 5	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
01-10	• 0							.0	.0	.0	.0	.0	.0	.0	
71-96	2	0	- 0	- 0											
71-86	.0	.0	.0	.0	• 0	•0	.0		.0	.0	.0	.0	.0	.0	
71-86 87+ TUT PCT	.0	.0	.0	.0	.0	.0	.0	.0							83.8

.)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

нат	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT	
<1	21.2	15.2	1.0	.0	.0	.0	37.4		
1-2	.0	22.2	5.1	.0	.0	.0	27.3		
3-4	.0	7.1	8.1	1.0	.0	.0	16.2		
5-6	.0	2.0	9.1	1.0	.0	.0	12.1		
7	.0	.0	3.0	2.0	.0	.0	5.1		
8-9	.0	.0	.0	1.0	.0	.0	1.0		
10-11	.0	.0	.0	1.0	.0	.0	1.0		
12	.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		
		2012						99	
TOT PCT	21.2	46.5	26.3	6.1	.0	.0	100.0		

PERIOD: (DVER-ALL) 1965-1969

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN
(SFC)																				45	701
<6	9.1	16.2	9.1	7.1	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	. 0		2
6-7	.0	4.0	5.1	8.1	4.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	5
					1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
8-9	.0	.0	1.0	3.0			-				.0	- 0	. 0		. 0	0	- 0	- 0	.0	3	3
10-11	.0	1.0	1.0	1.0	.0	.0	.0	.0		.0	0						.0		. 0	2	
12-13	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	. 0	.0	. 0	. 0	3	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	
			- 0		.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	0
INDET	24.2	.0		.0	. 0			.0		.0	0	0	0	0	0	0	0	0	0	99	3
TOTAL	33	21	16	19	7	2	1	0	0	U	0	0	0	0				0	0	100.0	
PCT	33.3	21.2	16.2	19.2	7.1	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	• 0	.0	.0	100.0	

PERIND:	(PRIMARY)	1890-1969
	(DVEK-ALL)	1871-1969

AREA 0022 CAPE TALBUT 13.35 126.46

PERCENT PREDUENCY	DF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

				,	ENCEN	FREQU	ENCI	" MENTINER	. Decommend						
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	nRZL	FKZG PLPN	SNOW	OTHER FRIN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	POG WU PCPN PAST HR	SMOKE HAZE		
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.7	.0	3.2		84.1
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.0	.0	2.4		90.4
E	.0	1.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.8	.0	2.4		94.5
SE	. 6	.0	.0	.0	.0	.0	.0	.6	.0	. 3	2.4	.0	.6	.0	96.1
5	1.4	.0	.0	.0	.0	.0	.0	1.4	.0	.7	2.0	.0	1.4	.0	94.6
Sm	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	2.1	.0	95.9
*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.8	.0	.0	.0	85.2
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	4.9	.0	.0	.0	90.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALII		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
CALM	.0	.0	. 0	. 0	• 0	• 0	.0		, ,						
TOT PCT	574	.3	.0	.0	.0	.0	.0	.6	.0	.6	3.4	.0	1.6	.0	93.8

TABLE 2

DERCENT	EREDI	ENCY	DF	WEATHER	DECURRENCE	BY	HOUR

			P	RECIPI	TATION	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	PAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WU PCPN	PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 66609 12615 18621	.9	.0	.0	.0	.0	.0	.0	.9	.0	.0 .8 .8	2.6 4.8 4.7 2.9	.0	1.8 4.0 8 7	.0 .0 .0	94.7 89.7 93.3 95.6
TOT PCT	743	. 3	.0	.0	•0	.0	.0	.5	.0	. 5	3.8	.0	1.6	.0	93.5

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				-														
		WI	IN SPE	ED (KN	DTS)									(GMT)				
MND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	1.8	21	
N	2.8	1.7	• 1	.0	.0	.0		4.6	3.7	.9	.5	8.5	8.3	8.0	6.0	3.3	2.3	
NE	5.0	6.5	. 6	. 0	.0	• 6		12.1	5.5	4.8	9.5	15.6	21.2	17.4	13.3	7.9	8.3	
	3.4	17.2	8.1	. 3		.0		29.0	9.3	34.0	34.5	28.3	37.1	23.9	28.8	15.8	28.0	
SE	5.2	14.4	4.8	.4		.0		24.7	7.5	30.3	30.3	26.4	13.6	18.8	22.5	25.4	31.8	
	4.0	6.3	.4		.0	.0		10.8	5.5	18.4	15.3	8.0	3.0	5.5	8.0	16.7	10.5	
Sn	3.9	3.3	.0			.0		7.3	3.8	6.4			9.8	6.1	6.0	9.2	12.9	
2"						.0		3.9	4.0	.0	1.6		3.8	6.1	9.0		1.5	
	1.8	2.1	.0															
NW	1.5	1.5	• 0	.0	.0	.0		3.0	3.6	1.8	.5	3.8	3.0	6.8	3.5		1.5	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	. 0	.0	.0	. 0	
CALM	4.5							4.5	.0	3.5	1.1	5.7	.0	7.5	3.0	13.3	3.0	
TOT OBS	221	364	96		0		686		6.5	114	95	53	66	132	100	60	65	
TOT PCT	32.2	53.1	14.0		.0	.0	000	100.0					100.0				100.0	

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT FREQ	MEAN SPD	00	06 09	12 15	18
N.	4.1	.5	.0	.0	.0		12.1	3.7	.7	8.4	7.1	8.5
NE	7.7	4.4	. 1	.0	.0			9.3	34.2	33.2		22.2
E	7.7	18.8	2.5	.0			29.0				26.0	
SE	12.5	10.8	1.5	.0	.0		24.7	7.5	30.3	19.3	20.4	58.8
5	7.1	3.5	. 2	.0	.0		10.8	5.5	17.0	5.3	6.6	13.5
SW	6.5	. 8	.0	.0			7.3	3.8	6.6	6.7	6.0	11.1
	3,4	.5	.0	.0	.0		3.9	4.0	.7	2.5	7.3	4.4
NW	2.8	.1	-0	.0	.0		3.0	3.6	1.2	3.4	5.4	1.2
VAR	.0	.0	.0	.0	.000		.0	.0	.0	.0	.0	.0
CALM	4.5						4.5	• 0	2.4	119	5.6	7.9
TOT URS	386	271	29	0	0	686		6.5	209	119	232	126
TOT PCT	46.3	39.5	4.7	.0	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1890-1969 (OVER-ALL) 1871-1969

TABLE 4 AREA 0022 CAPE TALBUT 13.35 126.4E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

						KNOTS)		45.44	PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DBS
00603	2.4	23.9	56.5	16.7	.5	.0	.0	7.2	100.0	209
96609	2.5	33.6	47.1	16.0	. 8	.0	.0		100.0	119
12615	5.6	29.3	53.4	11.6	.0	.0	.0	5.9	100.0	232
18821	7.9	25.4	52.4	11.9	2.4	.0	.0	6.5	100.0	126
TOT	31	190	364	96	5	0	0	6.5		686
PCT	4.5	27.7	53.1	14.0	. 7	.0	.0		100.0	

TABLE 5

F	CT FRE			CLUUD A		EIGHTHS)							CEILIN					
MND DIP	0-2	3-4	5-7	8 & 085CD	TOTAL	CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	8.7	.0	1.2	1.0		1.8	.0	.0	.0	1.0	. 2	.0	.0	.0	.0	.0	9.7	
E	27.4	1.0	4.6	.0		1.3	.0	.0	.0	.0	1.7	1.0	.0	.0	.0	1.0	29.4	
SE	20.9	3.9	1.9	1.0		1.7	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	25.7	
5	6.8	1.0	.0	.0		1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	
SW	2.2	1.0	1.0	.0		2.7	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	3.2	
W	1.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
NH	1.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	10.7	1.0	2.9	•0	103	1.5	.0	•0	.0	.0	1.0	.0	.0	• 0	.0	1.0	94	103
TOT PCT	78.6	7.8	11.7	1.9	100.0		.0	.0	.0	1.0	3.9	1.9	.0	.0	.0	1.9	91.3	100.0

TABLE 7

						SIMULT				CE
	OF	CEILI	NG H	EIGHT	(NH	>4/8)	AND	VSBY	(MM)	
1					VSBY	(NM)				

				VSBY (NM)			
CEILING	- UR	· DR	- DR	= DR	= DR	- OR	= CIR	. DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
- GR > 1000	1.9,	1.9	1.9	1.9	1.9	1.9	1.9	1.9
■ DR >3500	1.9.	1.9	1.9	1.9	1.9	1.9	1.9	1.9
■ DR >2000	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
• OR >1000	6.7	6.7	7.6	7.6	7.6	7.6	7.6	7.6
■ DR >600	7.6	7.6	8.6	8.6	8.6	8.6	8.6	8.6
• DR >300	7.6	7.6	8.6	8.6	8.6	8.6	8.6	8.6
* OR >150	7.6	7.6	8.6	8.6	8.6	8.6	8.6	8.6
• DR > 0	7.6	7.6	8.6	8.6	8.6	8.6	8.6	8.6
TOTAL	8	8	9	9	9	9	9	9

TOTAL NUMBER OF DBS: 105 PCT FRED NH <5/81 91.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085CD 085 53.2 16.2 17.1 3.6 1.8 4.5 1.8 1.8 .0 .0 111

	N	

									JUNE						
PERIOD:	(PRIMARY) 1 (DVER-ALL) 1	890-1969 871-1969						TAI	BLE 8				ARE		TALBOT 126.4E
			P	FRCENT						URRENCE ALUES D				E DF	
	VSBY (NM)		N	N€	£	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
	< 1/2	PCP NO PCP TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1/261	PCP NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1/2/1	TUT %	• 6	• 7	.2	.3	.7	• 0	.6	.3	.0	.0	3.0		
	1<2	PCP NO PCP TOT %	• 0 • 1 • 1	.3	.0 .7 .7	.0	.0 .1	• 0 • 1 • 1	.0	.0	.0	.0	1.5		
	2<5	PCP NO PCP TOT %	.0	.0	.6	.0	.0	•0 •1 •1	.0	.0	.0	.0	.0 .7 .7		
	5<10	PCP NO PCP TOT %	.0 3.9 3.9	8.9 8.9	.3 18.2 18.5	.1 17.1 17.3	.1 8.3 8.5	.0 5.9 5.9	3.0 3.0	2.5 2.5	.0	1.6 1.6	.6 69.6 70.2		
	10+	PCP NO PCP TOT %	.0	2.3 2.3	8.4 8.4	7.1 7.1	.0 2.2 2.2	.0 1.0 1.0	.0	.2	.0	2.8 2.8	24.5 24.5		
		TOT OBS	4.7	12.3	28.5	24.8	11.0	7.2	4.0	3.0	.0	4.5	100.0	674	

				PERCEN	WITH V	ARYING	VALUF	S OF V	ISTATE	ITY	ED		
VSBY (NM)	SPD KTS	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	. 1	. 1	.0	.0	.0	.0	.0		. 1	
	22+	.0	.0	.0	.0	. ()	.0	.0	.0	.0		.0	
	TOT %	.0	.0	. 1	. 1	.0	.0	.0	.0	.0	.0	.1	
	0-3	.4	. 4	.1	.2	.2	.0	.3	.1	.0	.0	1.9	
1/2<1	4-10	. 1	. 3	.0	.0	. C	.0	. 3	. 1	.0		. 9	
	11-71	.0	.0	. 1	. 1	.0	.0	.0	.0	.0		. 1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.6	• 7	. 2	.3	. 2	.0	.6	. 3	.0	.0	3.0	
	0-3	.0	.0	. 1	.0	.0	.0	.0	.0	.0	.0	.1	
1<2	4-10	. 1	. 2	. 5	.0	. 1	. 1	.0	.0	.0		1.2	
	11-21	.0	• 1	. 1	.0	.0	.0	.0	.0	.0		. 1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	• 1	. 3	.7	.0	.1	. 1	.0	.0	.0	.0	1.5	
	0-3	.0	.0	.0	.0	.0	. 3	.0	.0	.0	.0	.3	
2<5	4-10	.0	.0	. 3	.0	.0	.0	.0	.0	.0		.3	
	11-21	.0	.0	. 2	. 1	.0	.0	.0	.0	.0		. 3	
	22+	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 0	. 5	. 1	.0	. 3	.0	.0	.0	.0	. 9	
	0-3	2.4	4.1	2.1	4.1	3.3	3.4	1.5	1.3	.0	1.6	23.7	
5<10	4-10	1.4	4.6	12.1	10.4	4.8	2.5	1.5	1.2	.0		38.7	
	11-71	. 1	. 1	4.1	2.6	. 3	.0	.0	.0	.0		7.3	
	22+	.0	.0	. 1	. 2	. 1	.0	.0	.0	.0		. 4	
	TOT X	3.9	8.9	18.5	17.3	8.4	5.9	3.0	2.5	.0	1.6	70.1	
	0-3	.0	.6	.7	.8	.6	.3	.1	.1	.0	2.8	5.9	
10+	4-10	.0	1.3	4.6	4.3	1.4	. 7	. 4	. 1	.0		12.9	
	11-71	.0	. 4	3.1	1.8	. 1	.0	.0	.0	.0		5.5	
	22+	.0	.0	.0	. 1	.0	.0	.0	.0	.0		. 1	
	TOT %	.0	2.3	8.4	7.1	2.1	1.0	.4	. 2	.0	2.8	24.4	
	OT DAS												675
7	OT PCT	4.7	12.3	28.4	24.8	11.0	7.4	4.0	3.0	.0	4.4	100.0	

PERIND:	(PRIMARY)	1890-1969
	(DVER-ALL)	1871-1969

AREA 0022 CAPE TALBUT 13.35 126.4E

PERCENT FREQUENCY OF CFILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00603	.0	.0	.0	3.6	.0	3.6	.0	.0	.0	.0	7.1	92.9	28	
05809	.0	.0	.0	.0	4.5	4.5	.0	.0	.0	.0	9.1	90.9	22	
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.0	97.0	33	
18621	.0	.0	.0	.0	10.7	.0	.0	.0	.0	3,6	14.3	85.7	28	
TOT	0	0	0	1	3.6	1.8	0	0	0	1.8	8.1	102	111	

TABLE 11

ADIE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)), BY HOUR	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HUUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.0	2.6	1.8	.0	72.7	22.9	227	00803	.0	.0	3.7	3.7	92.6	27
90360	.0	4.7	3.9	.8	64.6	26.0	127	06809	.0	.0	.0	9.5	90.5	21
12815	.4	4.0	. 8	1.6	73.9	19.4	253	12615	.0	.0	3.2	3 - 2	93.5	31
18821	.0	2.2	•0	.7	69.3	27.7	137	18821	.0	.0	3.8	11.5	84.6	26
TOT PCT	.1	25 3,4	11	.8	529 71.1	172 23.1	: 744 100.0	PCT	.0	.0	2.9	6.7	95 90.5	105

ABLE 13

ABLE 14

		PERC	ENT FR	EQUENC	Y DF 9	ELATIVE	HUM1	ITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	E MP	
1	TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	85/89	. 4	.0	4	.4	.4		.4	.0	5	1.8	.0	.4	.5	. 2	.2	. 2	.0	.0	.0	. 4
	80/84	.0	. 4	2.1	8.5	10.6	15.2	5.3	. 4	120	42.6	1.6	3.2	16.0	11.9	2.3	1.3	. 9	. 7	.0	4.6
	75/79	.0	. 7	4.3	8.5	13.5	14.9	4.6	2.1	137	48.6	2.1	1.4	14.8	15.9	5.0	1.8	2.7	1.8	.0	3.2
	70/74	.0	.0	1.1	2.A	1.1	.7	1.1	.0	19	6.7	.0	. 5	2.3	1.8	.7	. 4	.0	.0	.0	1.1
	65/69	.0		.0		.0		.0	.0	1	.4	.0	.0	.0	.0	.0	.0	. 4	.0	.0	.0
	TOTAL	1	3	27	5.8	72	87	32	7	282	100.0										
	PCT	.4	1.1	7.8	20.6	25.5	30.9	11.3	2.5			3.7	5.5	33.7	29.7	8.2	3.6	3.9	2.5	.0	9.2

TAPLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR	MAX	998	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									DBS
00603	90	87	83	79	72	67	66	78.3	229
06609	88	85	84	81	75	74	74	80.5	127
12615	87	84	82	79	75	72	70	79.0	255
18821	83	82	81	79	73	69	69	78.1	138
TOT	90	85	83	79	74	70	66	79.0	749

TABLE 16

	PERC	ENT FRE	QUENCY	OF RELA	I I VE H	DWIDIIA	BY HUUK	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
£0300	1.2	32.9	20.0	25.9	17.6	2.4	57	85
12615	.0	24.3	26.1	36.9	9.0	3.6	58	111
18821 TOT	.0	23.4	23.4	34.4	12.5	6.3	59 57	308

JUNE

PERIND: (PRIMARY) 1890-1969 (DVEK-ALL) 1871-1969

TABLE 17

AREA 0022 CAPE TALADT 13.35 126.4F

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	65	69	73	77	81	85	89	TOT	W	WD
MP DIE	68	72	76	80	84	88	92		FOG	FOG
11/13	.0	.0	.0	.0	.2	.0	.0	1 2	.0	.2
9/10	.0	.0	.0	. 2	.0	.0	.2		.0	. 3
7/8	.0	.0	.0	. 8	. 5	.0	.0	8	.0	1.4
	.0	.0	. 2	.7	.0	. 2	.0	8 6 5	.0	1.0
5	.0	.0	.0	. 2	. 3	.2	.0	5	.0	. 8
4	.0	.0	.0	.8 .7 .2 .2	.5 .0 .3 1.5 1.9	.2	. 2	12	. 2	.8 1.9 2.5
3	.0	.0	.0	1.0	1.9	. 2	.0	18	. 5	2.5
2	.0	.0	.0	1.0	3.6	. 3	.0	30	.5	4.6
1	.0	.0	.7	3.9	8.1	. 2	.0	77	1.2	11.9
ō	.0	. 2	. 5	10.7	9.2	.0	.0	121	1.0	19.5
4 3 2 1 0 -1 -2 -3	.0	.0	3.2	9.3	4.8	.0	.0	102	. 5	.6.8
-2	.0	.0	3.4	11.2	1.9	.0	.0	97	. 5	16.0
-3	-0	.0	3.2	5.4	. 5	.0	.0	54	. 2	16.0
-4	.0	. 5	2.5	1.4	.0	.0	.0	26	.0	4.4
-4 -5	.0	.7	1.7	1.4	.0	.0	.0	16	. 2	2.5
-6	.0	. 3	. 2	.0	- 0	.0	.0	3	.0	. 5
-7/-8	.0	.7	.0	.3	.0	.0	.0		.0	1.0
-9/-10	.0	.3	.0	.0	.0	.0	.0	3 2	.0	.5
-11/-13	.3	.0	.0	.0	.0	.0	.0	2	.0	.3
TOTAL	3		93		191		2		28	551
-	-	17		275		8		589		
PCT	. 5	2.9	15.8	46.7	32.4	1.4	.3	100.0	4.8	95.2

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREG OF WILD SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT).

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	• 0	• 6	.0	• 0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	• 0	.0	.0	1.7	.0	.0	.0	.0	1.7
3-4	.0	.0	.0	.0	.0	• 0	.0	.0	.0	1.7	.0	.0	.0	1.7
5-6	.0	.0	.0	.0	•0	.0	.0	. 0	.0	.7	.0	.0	.0	. 7
7	.0	.0	.0	.0	• 0	•0	.0	.0	.0	.3	.0	.0	.0	.3
8-9	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.7	.0	.0	.0	4.5
				F							22-33			-
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1~3	4-10	11-21		34-47	48+	PCT
<1	1.4	.0	.0	.0	.0	• 0	1.4	2.7	5.5	1.4	.0	.0	.0	9.6
1-2	.0	5.8	6,5	.0	.0	.0	12.3	• 0	6.8	. 7	.0	.0	.0	7.5
3-4	.0	3.8	6.2	.0	.0	.0	9.9	.0	4.5	7.2	1.4	.0	.0	13.0
5-6	.0	.0	5.8	.0	.0	• 0	5.8	.0	.0	.3	.0	.0	.0	. 3
7	.0	.0	2.4	.0	.0	. 0	2.4	.0	.0	.0	.0	.0	.0	.0
8-9	. 0	.0	1,4	.0	• 0	.0	1.4	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	. 0	. 0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	• (1	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	,0	.0	• ()	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	• ()	• 0	.0	• 0	.0	.0	.0	.0	.0	.0
#7+	.0	9.6	22.3	.0	.0	.0	33.2	2.7	16.8	9.6	1.4	.0	.0	30.5
	1.4													

									JUNE						
PERIOD:	COVE	R-ALL)	1963-1	969					90.12				ARFA	0022	CAPE TALBO
								TABLE	16 CONT)					35 126.4E
				Po	T FRED I	E WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HETO	HTS (FT)		
							31.60					LA IILI			
				5								SW			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0		1.4	. 0	.0	.0	.0	.0	1.4
1-2	1.4	4.5	1.0	.0	.0	.0	6.8		.0	. 3	.0	.0	.0	.0	. 3
3-4	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	- 0		.0	.0	.0	.0	- 0	- 0	. 0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	.0	.0	.0	1.4	. 0	.0	.0	.0	.0	1.4	
1-2	1.4	4.5	1.0	.0	.0	.0	6.8	.0	. 3	.0	.0	.0	.0	. 3	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	• 0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	. ^	.0	.0	.0	.0	.0	.0	
49-50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	. 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.4	4.5	1.0	.0	.0	.0	6.8	1.4	. 3	.0	.0	.0	.0	1.7	
						•	0.0			•					
				W							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	1.4	.0	.0	• 0	• 0	1.4	.0	1.4	.0	.0	.0	.0	1.4	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	. C	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	. 0	.0	.0	
12	.0	.0	.0	.0	.0	• 0		.0	.0	.0	.0	.0	.0	0	
13-16	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.4	.0	.0	.0	.0	1.4	.0	1.4	.0	.0	.0	.0	1.4	79.5
5150 TO 1	•					• •			-1.		• •				

WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
20 0	8 0	1 2		0	0	37 2	003
.0	.0					.0	
.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0		
		.0		.0	.0		
				.0	.0		
.0	• 0		• 10				75
29.3	34.7	34.7	1.3	.0	.0	100.0	15
	0-3 26.0 1.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-3 4-10 28.0 8.0 1.3 18.7 .0 8.0 .0 .0	0-3 4-10 11-21 28.0 8.0 1.3 1.3 18.7 8.0 .0 8.0 14.7 .0 .0 .0 2.7 .0	0-3	0-3	0-3	0-3

PERIO	D: (DV	ER-ALL) 195	5-196	,				TABLE	19												
					PERCENT	FRE	OUENCY OF	WAY	E HEI	HT (FT) VS (WAVE PE	ERIDO	SECON	(3)							
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN	
<6	9.0	17.9	11.5	7.7	2.6	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	3	
6-7	.0	1.3	3.8	7.7	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5	
8-9	• 0	1.3	1.3	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5		
12-13	. C	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	.0	.0	.0	.0	.0	.0	0		
>13	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0		
INDET	23.1	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	0	
TOTAL	25	20	13	13	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	7.8	2	
PCT	32.1	25.6	15.7	16.7	7.7	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0		

JULY

PERIOD:	(PRIMARY)	1890-1968
	(DVEP-ALL)	1874-1968

TABLE 1

AREA 0022 CAPE TALBUT 13.25 126.2E

				P	ERCEN.	T FREQU	ENCY C	HEATHER	DCCURRENCE	BY WI	ND DIR	ECTION			
			P	RECIPI	TATION	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	BLWG DU	ST SIG
N NE	4.0	.0	.0	.0	• 0	.0	.0	4.0	.0	.0	5.9	.0	2.0		
	. 4	.0	.0	.0	.0	.0	.0	. 4	.0	.0	5.3	.0	1.4	.0	92.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	.0	2.7	.0	91.9
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	15.2	.0	.0	.0	82.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.4	.0	.2	.0	.0	.0	.0	.6	.0	.4	5.9	.0	1.0		
	NE ESE S W NA M NA	N 4.2 NE 1.0 E .4 SE .0 S .0 S .0 NW .0 VAR .0 CALM .0	SH 4.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	N 4.0 .0 .0 .0 .0 NE 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	NO DIR RAIN RAIN DRZL FRZG SHAR PCPN N	N	SHAR PCPN FRZN PCPN N 4.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	N	N	N	N	N	N	N	N

TABLE 2

DERCENT	EREDHENCY	DF	WEATHER	DCCURRENCE	RY	HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WU PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00£03 06£09 12£15 18£21	.6	.0	.0	.0	.0		.0	.6 .0 .6	.0	.0 .0 1.1	6.3 4.8 6.1	.0	3.8	.0	93.1 91.3 91.6 88.2
TOT PCT	.4	.0	.2	.0	•0	.0	.0	.5	.0	.5	6.7	.0	.9	.0	91.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

					-		200 To 100 To 10										
		WI	NO SPE	ED (KN	ots)								HOUR	(GMT)			
WND DIR	0-3				34-47	48+	TOTAL	PCT FREQ	SPD	00	03	06	09	12	15	18	21
N	2.3	2.4	•0	.0	.0	.0		4.6	4.1	3.6	.6	1.9	19.3	10.2	1.7	.0	.0
NE	2.6	6.4	. 8	• 1	.0	.0		9.9	6.5	6.1	5.9	10.8	18.2	11.5	15.3	5.9	9.5
E	4.1	12.3	10.6	.6	.0	.0		27.5	9.6	27.3	31.2	34.9	17.0	30.0	30.1	18.6	25.0
SE	5.6	13.9	7.1	. 9	.0	.0		27.5	8.7	37.0	30.9	35.4	9.1	22.3	20.8	29.1	29.1
S	4.4	5.8	.4	.0	.0	.0		10.6	4.8	16.9	11.7	9.4	4.5	6.8	6.8	10.9	15.5
SW	4.1	3.6	.7	.0	.0	.0		8.5	4.7	5.1	9.9	1.9	11.4	6.4	11.9	10.5	13.5
W	2.0	1.8	.0	.0	.0	.0		3.7	3.7	.0	3.1	.0	8.0	7.3	3.4	3.2	5.5
NW	2.5	1.1	. 2	.0	.0	.0		3.8	3.5	.0	3.1	5.7	10.2	4.5	5.1	3.6	1.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	. 0	.0	.0	.0	.0	.0	.0	. 0
CALM	3.8							3.8	.0	3.1	3.7	0	2.3	. 9	5.1	18.2	. 0
TOT UBS	174	262	110	9	0	0	555		7.0	98	81	53	44	110	59	55	55
TOT PCT	31.4	47.2	19.8	1.6		.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

		WIND	SPEED	(KND	TSI						Hauf	COMT)	
WND DIR	0-6	7-16	17-27	28-	40	41+	TOTAL	PCT	MEAN	00	06	12	18	
							UBS	FREQ	SPD	03	09	15	21	
N	4.0	.7	.0		.0	.0		4.6	4.1	2.2	9.8	7.2	.0	
NE	6.2	2.7	.0		.0	.0		9.9	6.5	6.0	14.2	12.9	7.7	
E	10.2	13.2	4.0		. 1	.0		27.5	9.6	29.1	26.8	30.0	21.8	
SE	12.7	10.9	3.6			.0		27.5	8.7	34.2	23.5	21.7	29.1	
SW	8.2	2.3	. 1		.0	.0		10.6	4.8	14.5	7.2	6.8	13.2	
SW	7.1	1.3	. 2		.0	.0		8.5	4.7	7.8	6.2	8.3	12.0	
W	3.4	.4	.0		.0	.0		3.7	3.7	1.4	3.6	5.9	4.3	
NW	3.4	. 4	.0		.0	.0		3.8	3.5	1.4	7.7	4.7	2.7	
VAR	.0	.0	.0		.0	.0		.0	.0	0	.0	.0	.0	
CALM	3.8							3.8	.0	3.4	1.0	2.4	9.1 1	
TOT DAS	327	177	50		1	0	555		7.0	179	97	169	110	
TOT PCT	58.9	31.9	4.0		.2	.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1890-1968 (QVER-ALL) 1874-1968

JULY 1 TABLE 4

AREA 0022 CAPE TALBUT 13.25 126.2E

PERCENTAGE PREQUENCY OF WIND SPEED BY HOUR (GKT)

						KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	085
00603	3.4	28.5	46.4	19.6	2.2	.0	.0	7.0	100.0	179
90340	1.0	24.7	48.5	24.7	1.0	.0	.0	7.8	100.0	97
12815	2.4	28.4	50.9	17.8	. 6	.0	.0	6.7	100.0	169
18821	9.1	27.3	41.8	19.1	2.7	.0	.0	6.9	100.0	110
TOT	21	153	262	110	9	0	0	7.0		555
PCT	3.8	27.6	47 2	10 8	1.6	- 0	- 0		100.0	

TABLE 5

TABLE 6

P	CT FRE			CLOUD A		EIGHTHS)		1					CEILIN NH <5/					
					T-7.	MEAN												
MND DIE	0-2	3-4	5-7	3 8	TOTAL	CLUUD	000	150	300	600	1000	2000	3500	5000		8000+	NH <5/8	
				DBSCD	085	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	085
N	1.8	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
NE	4.1	. 8	.0	.0		1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	
E	27.6	2.4	4.7	.6		1.5	.0	.0	.0	.0	1.0	. 6	.0	.0	. 6	1.3	31.8	
SE	27.3	3.9	2.4	.0		1.0	.0	.0	.0	.0	1.0	.0	.0	.0	.6	. 6	31.3	
S	5.5	. 6	.6	.0		1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	
SIV	5.4	1.3	.0	.0		. 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	6.7	
W	1.1	.0	.0	.0		. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
NW	1.3	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	8.4	0	.0	.0		. 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4	
TOT DBS	127	14	12	1	154	1.1	0	0	0	0	3	1	0	0	2	. 3	145	154
TOT PCT	82.5	9.1	7.8	.6	100.0		.0	.0	.0	.0	1.9	.6	.0	.0	1.3	1.9		100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS DECURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM)			
C	EILING	· DR	• DR	= OR	= OR	= OR	= DR	• DR	• DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR	>6500	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
· DR	>5000	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
- OR	>3500	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
- OR	>2000	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
- DR	>1000	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
· UR	>600	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
. DR	>300	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
· OR	>150	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
· OR	> 0	5.8	5.6	5.6	5.8	5.8	5.8	5.8	5.8
	TOTAL	9	9	9	9	9	9	9	9

TOTAL NUMBER OF DBS: 156 PCT FREQ NH <5/81 94.2

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD 08S 62.4 23.6 3.2 3.8 1.3 2.5 .6 1.9 .6 .0 157

								,	IULY						
PERIOD: (PRIM.		890-1968 874-1968						TAR	LF 8				ARE	4 0022	TALBUT 126.25
			PE	RCENT	FREC PREC	OF WIN	D DIREC	TIUN V	ING V	URRENCE ALUES 1	E DR N	DN-DCC	URRENC	E DF	
	VSBY		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	<1/2	NO PCP	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		PCP	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1/2<1	NO PCP	. 3	. 5	1.0	1.2	. 6	1.1	.6	. 2	.0	.0	5.5		
		TOT %	. 3	. 5	1.0	1.2	.6	1.1	.6	. 2	.0	.0	5.5		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1<2	NO PCP	.1	.0	.2	. 1	. 5	.0	.0	. 3	.0	.0	1.1		
		TOT &	• 1	.0	. 2	. 1	.5	.0	.0	. 3	.0	.0	1.1		
		PCP	• 0	• 0	.0	.0	.0	.2	.0	.0	.0	.0	.2		
	2<5	NO PCP	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT %	.0	.0	.0	.0	.0	. 2	.0	.0	.0	.0	.2		
		PCP	. 2	• 1	. 1	.0	.0	.0	.0	.0	.0	.0	.4		
	5<10	NO PCP	3.7	7.5	12.3	13.6	5.6	3.7	2.6	2.8	.0	1.0	52.7		
		TOT \$	3.9	7.6	12.4	13.6	5.6	3.7	2.6	2.8	.0	1.0	53.0		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	10+	NO PCP	. 5	1.7	13.3	12.0	3.9	3.7	.6	. 8	.0	3.0	40.1		
		TOT %	. 5	1.7	13.3	12.6	3.9	3.7	.6	. 8	.0	3.0	40.1		
		TOT OBS												526	
		TOT PCT	4.8	9.7	26.9	27.5	10.6	8.7	3.8	4.0	.0	4.0	100.0		

TABLE 9

VSBY	SPD	N	NE	6	SE	5	SW	W	NW	VAR	CALM	PET	TOTAL
(MM)	KTS				3.0								DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	. 1	. 4	.5	.7	.3	.9	. 4	. 2	.0	.0	3.4	
1/2<1	4-10	. 2	. 1	. 4	.6	. 3	. 2	. 2	.0	.0		1.9	
	11-21	.0	.0	. 2	.0	.0	.0	.0	.0	.0		. 2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.3	.5	1.0	1.2	.6	1.1	.6	.2	.0	.0	5,5	
	0-3	.0	.0	.0	.0	. 2	.0	.0	.0	.0	.0	. 2	
1<2	4-10	. 1	.0	.2	. 1	.3	.0	.0	. 1	.0		, 8	
	11-21	.0	.0	.0	.0	.0	.0	.0	. 2	.0		. 2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	120	.0	
	TOT %	.1	.0	. 5	. 1	.5	.0	.0	. 3	.0	.0	1.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	. C	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	. 2	.0	.0	.0		. 2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.0	• 0	.0	.0	.0	.2	.0	.0	.0	.0	. 2	
	0-3	2.1	1.9	1.9	4.0	2.7	2.3	1.6	2.3	.0	.9	19.7	
5<10	4-10	1.9	5.0	6.5	7.3	2.6	1.4	1.1	. 5	.0		26.3	
	11-21	.0	.6	3.8	2.3	. 3	.0	.0	.0	.0		7.0	
	22+	.0	.1	. 1	.0	.0	.0	.0	.0	.0		. 2	
	TOT %	4.0	7.6	12.4	13.5	5.6	3.7	2.7	2.7	.0	. 9	53.2	
	0-3	.2	.4	1.2	1.0	.9	1.0	. 1	. 2	.0	3.0	6.1	
10+	4-10	.3	1.0	5.5	6.0	2.8	2.0	.5	.6	.0		18.8	
	11-21	.0	.2	6.1	4.7	. 1	.6	.0	.0	.0		11.7	
	22+	.0		.4	. 9	.0	.0	.0	.0	.0		1.3	
	TOT %	.5	1.7	13.3	12.5	3.4	3.6	.6	. 8	.0	3.0	40.0	
	OT DAS												521
7	OT PCT	4.9	9.8	26.8	27.4	10.5	8.7	3.9	4.0	.0	4.0	100.0	

AREA 0022 CAPE TALBUT 13.25 126.2E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	995	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00003	.0	.0	.0	.0	3.2	3.2	.0	.0	3.2	3.2	12.9	87.1	31
06809	.0	.0	.0	.0	3.6	.0	.0	.0	3.6	.0	7.1	92.9	28
12615	.0	.0	.0	.0	1.9	.0	.0	.0	.0	1.9	3.8	96.2	52
18621	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.2	97.8	46
TOT	0	0	.0	.0	1.9	1	.0	.0	1.3	1.9	5.7	148	157

		PERCENT	FREQUE	ICY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	6.3	•0	.0	64.2	29.5	176	00603	.0	.0	.0	12.9	87.1	31
06609	.0	3.8	3.8	.0	51.9	40.4	104	90300	.0	.0	.0	7.1	92.9	28
12615	.0	5.6	.6	.6	55.9	37.4	179	12815	.0	.0	.0	3.9	96.1	51
18621	.0	9.0	. 9	.0	43.2	46.8	111	18821	.0	.0	.0	2.2	97.8	46
TOT PCT	.0	35	1.1	.2	315 55.3	213	570 100.0	PCT	.0	.0	.0	5.8	94.2	156

TABLE 13

TABLE 14

	PERCE	ENT FR	EQUENC	Y OF R	ELATIVE	HUMI	DITY B	Y TEMP				PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTION	N BY TI	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL DB\$	FREQ	N	NE	E	SE	s	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	1.4	. 9	.0	.0	5	2.4	.0	.0	1.9	.0	.0	.5	.0	.0	.0	.0
80/84	.0	.0	1.9	4.7	1.9	5.2	. 5	. 9	32	15.1	. 5	. 9	7.8	2.7	1.3	. 9	.0	.0	.0	. 9
75/79	.0	.0	4.2	14.6	19.3	14.6	5.7	3.8	132	62.3	1.3	4.0	26.7	18.0	2.8	2.2	1.1	. 9	.0	5.2
70/74	.0	.0	1.4	8.5	4.7	2.4	1.4	.0	39	18.4	.2	. 9	5.8	9.0	. 4	1.4	.0	. 2	.0	. 5
65/69	.0	.0	.0	.0	.5	.5	. 5	.0	3	1.4	.0	.0	. 7	. 7	.0	.0	.0	.0	.0	.0
60/64	.0	.0	.0	. 5	.0	.0	.0	.0	1	.5	.0	.0	.0	.0	.0	.0	. 5	.0	.0	.0
TOTAL	0	0	16	60	59	50	17	10	212	100.0										
PCT	.0	.0	7.5	28.3	27.8	23.6	8.0	4.7			2.0	5.9	42.8	30.4	4.5	5.1	1.5	1.2	.0	6.6

				TAP	LE 15									TABLE	16			
	MEANS,	EXTREM	ES AND	PERCEN	ITILES	OF TE	4P (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTA
00803	86	85	83	77	70	66	62	76.8	189	00803	.0	35.6	28.8	23.7	6.8	5.1	55	59
06809	88	85	83	79	73	72	72	78.6	106	90300	.0	47.2	30.6	13.9	2.8	5.6	53	36
12815	86	81	80	77	72	69	66	75.7	185	12615	.0	29.7	25.7	27.0	10.8	6.8	58	74
18821	86	82	80	76	71	64	64	75.9	115	18621	.0	31.5	25.9	27.8	11.1	3.7	57	54
TOT	88	85	82	77	71	68	62	75.9	595	TOT	0	77	61	54	19	12	56	223

JULY

PERIOD: (PHIMARY) 1890-1968 (OVER-ALL) 1874-1968

TABLE 17

AREA 0022 CAPE TALBOT 13.25 126.2E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	65	69	73	77	81	85	TOT	W	WO
TMP DIF	68	72	76	80	84	88		FOG	FOG
9/10	.0	.0	.0	.0	.4	. 2	3	.0	. 6
7/8	.0	.0	.4	.6	. 2	.0	6 9	.0	1.3
	.0	.0	. 4	. 8	. 4	.2	9	.0	1.9
5	.0	. 2	.4	1.1	. 4	. 2	11	.4	1.9
4	.0	.0	. 6	2.3	1.1	.6	22	. 6	4.0
3	.0	.0	1.3	5.3	1.5	.0	38	.2	7.8
3 2 1 0	.0	.0	3.0	7.8	1.1	.4	58	.6	11.6
1	.0	. 6	3.4	11.4	1.3	.0	79	2.5	14.1
0	.0	. 4	7.0	8.4	1.5	.0	82	2.1	15.2
-1	.0	. 2	5.5	2.7	. 4	.0	42	. 8	8.0
-2	.0	2.5	3.6	3.2	. 2	.0	45	. 2	9.3
-3	. 2	1.5	2.1	2.5	.2	.0	31	. 2	6.3
-4	. 2	1.1	2.5	1.1	. 2	.0	24	. 2	4.9
-5	.0	. 6	1.1	. 8	.0	.0	12	.0	2.5
-6	. 2	. 4	.6	. 4	.0	.0	8	.0	1.7
-7/-8	.0	. ?	. 4	.0	.0	.0	8 3 1	.0	.6
-9/-10	.0	. 2	.0	.0	.0	.0	1	.0	. 2
TOTAL	3		153		42			38	436
		38		230		8	474		
PCT	. 6	8.0	32.3	48.5	8.9	1.7	100.0	8.0	92.0

PERIOD: (OVER-ALL) 1963-1968

TABLE 18
PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

11-21 34-47 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 61-70 71-86 87-70 7 PCT 22-33 4-10 48+ 11-21 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 76-32 23-25 76-32 41-48 49-60 61-70 71-86 49-60 71-86 48. 1-3 34-47

PERIOD: (DVER-ALL)	1963-1968				JULY	AREA OO	22 CAPE TALBOT
PERIOD. (GVEN-ALL)	1703-1-00			TABLE	18 (CONT)	AREM UU	13.25 126.2E
		PCT FREG (F WIND SPEED	(KTS)	AND DIRECTION VERSUS SEA HEIGHT	TS (FT)	

				PC	T FREO C	F WIND	SPEED	(KTS) AND DI	RECTION	VERSUS !	SEA HEIG	HTS (FT			
				5							SW				
HGT	1-3	4-10	11-21	27-33	34-47	48+	PCT	1-	3 4-1	11-21	22-33	34-47	48+	PCT	
<1	1.1	1.1	.0	.0	.0	.0	2.1		0 4.		.0	.0	.0	4.5	
1-2	.0	1.1	.0	.0	.0	.0	1.1		0 .		.0	.0	.0	.0	
3-4	.0	.0	.0	.0	• • •	•0	.0		0 2.		.0	.0	.0	2.1	
5-6	.0	. 8	.0	.0	.0	.0	.6		0 .		.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		0 .		.0	.0	.0	.0	
8-9	.0	.0	. 8	.0	.0	• 0	. 8		0 .	0.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		0 .		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		0 .	0.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		0 .		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		0 .		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		0 .		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		0 .		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	.0	.0		0 .		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		0 .		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0		0 .		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		0 .		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		0 .		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		0 .		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		0 .		.0	.0	.0	.0	
TOT PCT	1.1	2.9	. 8	.0	.0	.0	4.7		0 6.	.0	.0	.0	.0	6.6	
											NW				TOTAL
нст	1-3	4-10	11-21	W 22-33	34-47	48+	PCT	1-			NW 22-33	34-47	48+	PCT	TOTAL
HGT <1	1-3	4-10 1.8	11-21	W 27-33	34-47	48+	PCT 1.8		3 4-1		22-33 .0	34-47	48+	PCT .0	TOTAL
							1.8			.0	22-33	.0	.0	.0	TOTAL PCT
<1	.0	1.8	.0	.0	• 0	•0			0 1.	.0	22-33	.0		1.1	TOTAL PCT
<1 1-2 3-4 5-6	.0	1.8	.0	.0	.0	•0	1.8		0 1.	.0	.0	.0	.0	.0	TOTAL PCT
<1 1-2 3-4 5-6 7	.0	1.8	.0	.0	•0	.0	1.8		0 1.	.0	22-33	.0	.0	1.1	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9	.0	1.8	.0	.0	.0	.0	1.8		0 1.00	.0	22-33	.0	.0	.0 1.1 .0 .0	TOTAL
<1 1-2 3-4 5-6 7 8-9 10-11	.0	1.8	.0	.0	.0	.0	1.8		0 1.00	0 .0	22-33	.0	.0	.0	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12	.0	1.8	.0	.0	.0	.0	1.8		0 1.00	0 .0	22-33		.0	.0 1.1 .0 .0 .0	TOTAL PCT
1 1-2 3-4 5-6 7 8-9 10-11 12	.0	1.8	.0	.0	.0	.0	1.8		0 1.00		22-33		.0	.0 1.1 .0 .0 .0	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19	.0	1.8	.0	.0	.0	.00000000000000000000000000000000000000	1.8		0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		22-33	.0	.0	.0 1.1 .0 .0 .0 .0	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	.0	1.8	.0	.0	.0	.00000000000000000000000000000000000000	1.8		0 1.00		22-33	.0	.0	.0 1.1 .0 .0 .0 .0 .0	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.0	1.8	.00000000000000000000000000000000000000	.00000000000000000000000000000000000000	.0	.00000000000000000000000000000000000000	1.8				22-33	.00000000000000000000000000000000000000	.00000000000000000000000000000000000000	.0	TOTAL
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.0	1.8		.00000000000000000000000000000000000000	.00000000000000000000000000000000000000	.00000000000000000000000000000000000000	1.8		0 1.00		22-33	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	.0	TOTAL
1 1-2 3-4 5-6 7 8-9 10-11 12 13-10 17-19 20-22 23-25 26-32 33-40		1.8		.00000000000000000000000000000000000000	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	1.8				22-33	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	.0	TOTAL PCT
1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48		1.8			.00000000000000000000000000000000000000	000000000000000000000000000000000000000	1.8				22-33	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	.0 1.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60		1.8			.0	.00000000000000000000000000000000000000	1.8		0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		22-33	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	.0 1.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	TOTAL PCT
1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 26-32 33-40 41-48 49-60 61-70		1.8	.00	.0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	1.8		00 1.00		22-33			.0	TOTAL PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 61-70		1.8	.00		000000000000000000000000000000000000000		1.8				22-33	000000000000000000000000000000000000000		.0	TOTAL PCT
1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 26-32 33-40 41-48 49-60 61-70		1.8	.00	.0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	1.8				22-33			.0	TOTAL PCT

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нат	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	14.7	21.1	.0	.0	.0	.0	35.8	OBS
1-2	.0	15.8	2.1	.0	.0	.0	17.9	
3-4	.0	5.3	22.1	.0	.0	.0	27.4	
5-6	.0	2.1	6.3	.0	.0	.0	8.4	
7	.0	.0	7.4	1.1	.0	.0	8.4	
8-9	.0	.0		1.1	.0	.0	2.1	
10-11	.0		1.1	.0	.0	.0	.0	
12		.0		.0	.0	.0	.0	
	.0	.0	.0					
13-16	• 0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	• 0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	. 0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								95
TOT PCT	14.7	44.2	38.9	2.1	.0	.0	100.0	

PERIOD: (DVER-ALL) 1950-1968 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 16.8 13.9 20.8 6.9 .0 3.0 6.9 4.0 .0 .0 .0 .0 2.0 .0 .0 1.0 TOTAL MEAN HGT 63 2 21 5 6 8 2 5 0 0 0 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ .0 .0 .0 .0 .0 3.0 5.9 2.0 1.0 .0 .0 63 21 5 2 0 0 9 101 100.0 1.0 .0 1.0 .0 .0 .0 .0000000000 0000000000 .000000000 .0 1.0 .0 .0 .00000000000

AUGUST

PERIOD:	(PRIMARY)	1890-1971 1868-1971

TABLE 1

AREA 0022 CAPE TALBOT 13.15 126.6E

PERCENT FRENUENC	V DF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	AENA	
WND DIR	RAIN	RAIN	DRZL	FKZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HP	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.2	.0	3.1	.0	84.7
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.4	.0	18.4	.0	78.7
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5	6.8	.0	7.9	.0	84.8
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	7.2	.0	5.7	.0	86.2
3.	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.2	.0	2.2	.0	93.3
3			.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	10.8	.0	87.2
Sw	.0	.0					.0	.0	.0	8.8	4.4	.0	8.3	.0	78.5
×	.0	.0	.0	.0	.0	.0		.0	.0	3.3	1.7	.0	6.6	.0	88.4
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	22.2	.0	77.8
CALM	.0	.0	.0	.0	• 0	• 0	.0	.0	• 0	.0	.0	.0	22.2	.0	
TOT PCT	.0	.0	.0	.0	•0	•0	.0	.0	•0	1.7	4.9	.0	8.5	.0	84.9

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			p	RECIPI	TATIO	N TYPE			OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THDR	FOG WD PCPN	PCPN PAST HR		SPR BLWG BLWG	DUST	NO SIG WEA
00603 06609 12615 18621	.0	.0	.0	.0	.0	.0	.0 .0 .0	.0 .0 .0	.0 .0 .0	1.8 .0 1.3 5.0	10.2 6.8 2.0 2.0	.0	5.4 11.7 10.5 5.9		.0000	82.6 81.6 86.3 86.1
TOT PCT	524	.0	.0	.0	.0	.0	. 2	.2	.0	1.9	5.5	.0	8.2		.0	84.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				1 910.5														
WNO DIR	0-3		11-21		34-47	48+	TOTAL	PCT FREQ	MEAN SPD	00	03	06	HOUR 09	(GMT)	15	18	21	
N	2.6	2.3	.2	.0	.0	.0		5.0	4.0	1.1	7.2	4.8	4.9		3.3	1.8	1.4	
NE	. 9	5.8	1.0	. 1	.0	.0		7.7	7.3	4.5	6.2	10.1	4.9		12.0	7.1	2.8	
-	2.3	12.9	7.0	.9		.0		23.2	9.9	17.4	25.7	24.6	39.0	27.9	20.7	10.3	23.5	
SE		11.2	6.5	. 5		.0		21.8	8.9	27.0	32.6	21.5	22.0	14.8	19.6	19.2	13.9	
36	3.6							10.2	5.6	14.3	9.4	5.7	9.8	5.5	10.9	12.9	15.7	
5	3.3	6.0	. 9			.0		10.2	4.5	18.3	8.7	6.6	2.4			16.1		
SH	3.8	6.2		• 0		.0				8.4						8.5		
W	3.6	4.9	. 7	.0		.0		9.2	4.7									
NW	3.3	2.9	.1	.0	.0	.0		6.2	3.8	2.2	.7	10.1	15.2					
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0		
						• •		6.5	.0	6.7	5.8	5.3	.0	6.3	4.3	19.5	.0	
CALM	6.5		81	,	0		490		6.7	89	69	57	41	95	46	56	35	
TOT OBS	147	255				0	490	100.0				100.0					100.0	
TOT PCT	30.0	52.0	10.5	1 . 4	.0	.0		100.0		100.0	100.0	TOOLO	100.0	LAGE				

TARLE 34

		WIND	SPEED	(KNOTS)						Hnus			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18	
#NO 31N	0	,	-1-61			DBS	FREQ	SPD	03	09	15	21	
N	4.3	. 7	.0	.0	.0		5.0	4.0	3.8	4.8	8.6	1.6	
NE	4.0	3.4	.3	.0	.0		7.7	7.3	5.2	7.9	11.8	5.4	
F	6.6	13.2	3.5	.0	.0		23.2	9.9	21.0	30.6	25.5	15.5	
3.2		9.4		.0	.0		21.8	8.9	29.4	21.7	16.4	17.1	
	9.3		3.1	.0	.0		10.2	5.6	12.2	7.4	7.2	14.4	
,	7.3	2.6	.3	.0			10.2	4.5	14.1	4.8	7.2	13.6	
SW	8.7	1.5	.0	.0	.0		10.2					14.4	
W	7.6	1.7	.0	.0	.0		9.2	4.7	5.3	8.7	9.5		
NW	5.3	. 9	.0	.0	.0		6.2	3.8	1.6	11.0	8.1	6.0	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	6.5	175.78					6.5	.0	6.3	3.1	5.6	12.0	
TOT DAS	292	163	35	0	0	490		6.7	158	98	142	92	
TOT PCT	59.6	33.3	7.1	.0	.0		100.0		100.0	100.0	100.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1890-1971 (OVER-ALL) 1868-1971

TABLE 4

AREA 0022 CAPE TALBUT 13.15 126.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND	SPEFD (34-47	48+	MEAN	PCT	TOTAL
00803	6.3	24.7	50.0	17.1	1.9	.0	.0	7.0	100.0	158
90300	3.1	23.5	54.1	18.4	1.0	.0	.0	7.5	100.0	98
12615	5.0	24.6	55.6	12.7	1.4	.0	.0	6.1	100.0	142
18621	12.0	19.6	47.8	19.6	1.1	.0	.0	6.3	100.0	92
TOT	32	115	255	51	7	0	0	6.7		490
PCT	6.5	23.5	52.0	16.5	1.4	.0	.0		100.0	

TARIE

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PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION								PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION										
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000	6500 7999	8000+	NH <5/8 ANY HGT	
N	5.2	.7	.0	.0		.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	
NE	8.5	.7	.7	.0		. 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	
E	19.1	1.0	. 5	.0		.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5	20.1	
SE	12.6	2.3	. 8	.0		. 9	.0	.0	.0	.0	. 7	.0	.0	.0	.0	. 2	14.9	
S	6.0	.0	. 7	.0		. 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	
SW	10.1	.0	1.3	.0		. 8	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	10.8	
W	9.2	. 7	.0	.0		.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	
NW	5.7	. 0	.0	.0		.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	13.7	. 7	.0	. 0		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.4	
TOT DBS		9	6		153	.6	. 0	0	0	0	1	1	0	0	0	1	150	153
TOT PCT		5.9	3.9	.0	100.0	•	.0	.0	.0	.0	.7	. 7	.0	• 0	.0	.7	98.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM	>			
C	EILING	• DR	• UR	· DR	= OR	- DR	= DR	- DR	. DR
	FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
. DR	>6500	.6	.6	.6	.6	.6	.6	.6	.6
- OR	>5000	. 6	.6	.6	.6	.6	.6	.6	.6
• DR	>3500	.6	.6	.6	.6	.6	.6	.6	.6
	>2000	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	>1000	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	>600	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	>300	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	>150	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
- DR		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
100	TOTAL	4	4	4	4	4	4	4	4

TOTAL NUMBER OF DBS: 158 PCT FRED NH <5/81 97.5

TABLE 74

PERCENTAGE FREG OF LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 0BSC0 0BS 68.2 18.8 5.9 2.4 2.4 1.2 1.2 .0 .0 .0 170

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							AU	GUST							
PERIOD: (PRIMARY) 1 (OVER-ALL) 1							TA	BLF 8				ARE		TALBOT 126.6E	
		PE	ERCENT				CTION TH VAR						E OF		
VSBY (NM)		N	NE	F	SF	5	SW	W	NW	VAR	CALM	PCT	TOTAL		
<1/2	PCP NO PCP TOT \$.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1/2<1	PCP ND PCP TOT %	.6	.0 .1	1.0	1.2 1.2	.0	.0	.0	.0 .1 .1	.0	.0	3.8 3.8			
1<2	PCP NO PCP TOT %	.0	.0 .7	.0 1.6 1.6	.6	.0	.0	.0	.0	.0	.0	3.4 3.4			
2<5	PCP NO PCP TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .2 .2			
5<10	PCP NO PCP TOT %	2.7 2.7	3.2 3.2	.0 12.2 12.2	.0 13.2 13.2	4.8 4.8	.0 5.0 5.0	5.1 5.1	4.5	.0	1.1	51.6 51.6			
10+	PCP NO PCP TOT %	1.9 1.9	3.2 3.2	8.7 8.7	7.1 7.1	4.4 4.4	.0 5.1 5.1	.0 4.1 4.1	.0 1.9 1.9	.0	4.7 4.7	.0 41.0 41.0			
	TOT OBS	5.2	7.5	23.4	22.2	9.6	10.4	9.6	6.4	.0	5.7	100.0	471		

TABLE 9

				PERCE	T FREG	DF WI	ND DIR	ECTION	VS WI	NO SPE	ED		
					MIIH A	ARTINO	VALUE	3 0, 1		111			
VSBY (NM)	SPD	N	NE	E	SE	S	SW	×	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	. 3	.0	.4	.5	. 1	. 2	.0	.1	.0	.0	1.7	
1/2<1	4-10	. 3	• 1	. 5	.6	. 1	.0	. 2	.0	.0		1.9	
	11-21	.0	.0	.0	.0	.0	.0	. 2	.0	.0		. 2	
	22+	.0	.0	. 2	.0	.0	.0	.0	.0	.0		. 2	
	TOT %	.6	• 1	1.2	1.2	. 2	.2	.4	.1	.0	.0	4.0	
	0-3	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.2	
1<2	4-10	.0	. 7	. 3	. 2	.0	.0	.0	.0	.0		1.3	
	11-21	.0	.0	. 8	.5	. 1	.0	.0	.0	.0		1.5	
	22+	.0	.0	.4	.0	.0	.0	.0	.0	.0		. 4	
	TOT %	.0	• 7	1.6	. 8	. 2	.0	.0	.0	.0	.0	3.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	. 2	.0	.0	.0	.0	.0	.0	.0		. 2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	. 2	.0	.0	.0	.0	.0	.0	.0	.0	. 2	
	0-3	1.9	.7	.7	2.5	1.3	2.6	2.8	3.1	.0	1.1	16.7	
5<10	4-10	. 7	1.8	7.5	7.4	3.2	2.3	2.1	1.4	.0		26.5	
	11-21	.0	. 6	3.7	3.0	. 3	.0	. 2	.0	.0		7.8	
	22+	.0	. 1	. 2	. 2	.0	.0	.0	.0	.0		. 4	
	TOT %	2.6	3.2	12.1	13.1	4.8	5.0	5.1	4.4	.0	1.1	51.5	
	0-3	.4	.0	1.1	.3	1.2	.9	1.0	.2	.0	4.7	9.7	
10+	4-10	1.3	2.8	4.7	3.2	2.6	4.1	2.8	1.6	.0		23.1	
	11-21	. 2	. 4	2.8	3.3	.5	. 2	. 3	.1	.0		7.6	
	22+	.0	.0	. 2	. 3	.0	.0	.0	.0	.0		.4	
	TOT %	1.9	3.2	8.7	7.0	4.3	5.1	4.1	1.9	.0	4.7	40.9	
1	OT DAS												472
7	DT PCT	5.2	7.5	23.6	22.2	9.5	10.3	9,6	6.4	.0	5.7	100.0	

AUGUST

PERIOD: (PRIMARY) 1890-1971 IDVEK-ALL) 1868-1971

TOT 0 25 PCT .0 4.8

TABLE 10

AREA 0022 CAPE TALBUT 13.15 126.6E

PERCENT	FREQUENCY	OF (CEILING	HEIGHTS	(FEET, NH	>4/81	AND
	DECILO	PENC	CF OF NE	(5/8 B)	Y HOUR		

HOUR (GMT)	000	150	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/B ANY HGT	TOTAL
60300	.0	.0	.0	.0	2.8	2.8	.0	.0	.0	2.8	8.3	91.7	36
06609	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	2.4	97.6	41
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	44
18821	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	100.0	49
TOT	0	.0	.0	0	1.2	.6	.0	.0	.0	.6	2.4	166	170

TABLE 11

1 272 208 525 .2 51.8 39.6 100.0

TABLE 12

154 158 97.5 100.0

10T 0 0 0 4 PCT .0 .0 .0 2.5

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		COMOLAI					DEN HOUR		
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HUUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL	
60300	.0	9.6	1.8	.0	59.3	29.3	167	£0300	.0	.0	.0	9.1	90.9	33	1
06609	.0	5.8	4.9	.0	41.7	47.6	103	90300	.0	.0	.0	2.5	97.4	38	
12615	.0	1.3	5.8	.6	55.2	37.0	154	12615	.0	.0	.0	.0	100.0	41	
18621	.0	1.0	5.0	.0	44.0	52.5	101	18621	.0	.0	.0	.0	100.0	46	

3.6

				т	ABLE 1	3									TABL	E 14				
	PERC	ENT FRE	EQUENC	Y OF R	ELATIVE	E HUMI	01TY 8	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	50-69	70-79	80-89	90-100		FREG	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	.7	.0	.0	.0	2	.7	.0	.0	.0	.0	.0	. 3	. 3	.0	.0	.0
80/84	.0	.7	. 3	2.0	4.4	4.4	1.3	.0	39	13.1	.0	. 7	3.9	2.1	. 8	1.8	1.4	.7	.0	1.7
75/79	.0	. 3	3.0	10.7	10.7	27.9	14.4	3.4	210	70.5	3.0	4.8	17.8	17.4	7.7	5.5	6.4	2.9	.0	5.0
70/74	.0	.0	1.3	5.4	3.4	1.3	2.0	1.0	43	14.4	.5	. 9	3.4	4.6	1.5	1.8	1.1	.0	.0	. 7
65/69	.0	.0	. 3	1.0	.0	.0	.0	.0	4	1.3	.0	.0	. 3	1.0	.0	.0	.0	.0	.0	.0
TOTAL	0	3	15	57	57	100	53	13	298	100.0										
DCT	0			10 1	10 1	32 6	17 0		-		3.5	6 4	26 6	25 1	10.1	0 4	0 2	2 5	0	7.4

				1											••			
	ME ANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	ALIGIWA	BY HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60~69	70-79	80-89	90-100	MEAN	TOTAL
60300	88	84	83	78	72	67	66	77.6	177	00603	.0	29.7	18.7	33.0	15.4	3.3	58	91
90300	88	86	84	79	74	72	72	79.1	99	06609	.0	34.4	27.9	29.5	8.2	.0	55	61
12615	84	82	61	77	73	72	71	77.1	152	12815	.0	16.5	20.4	39.8	20.4	2.9	72	103
18821	80	79	79	76	71	67	67	75.8	99	18621	.0	20.5	12.3	26.0	30.1	11.0	74	73
TOT	88	84	82	77	72	68	56	77.4	527	TOT	0	80	64	108	62	14	70	328

AUGUST

PERIOD: (PRIMARY) 1890-1971 (OVER-ALL) 1868-1971 TABLE 17

AREA 0022 CAPE TALBUT 13.15 126.6E

Server.

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	65	69	73	77	81	85	TOT	W	Wo
TMP DIF	68	72	76	80	84	88		FOG	FUG
11/13	.0	.0	.0	. 8	. 3	.0	4	.0	1.1
9/10	.0	.0	.0	.0	.0	.0	1	.0	. 3
7/8	.0	.0	. 3	.6	. 8	. 3	7	.0	1.9
	.0	.0	.0	1.1	.6	.0	6	.0	1.7
5	.0	.0	. 3	1.1	. 3	. 3	6 7 20	.0	1.7
4	.0	.0	. 8	3.1	1.1	.6	20	.0	5.6
3	.0	.0	1.7	4.7	1.9	.6	30	1.9	6.4
6 5 4 3 2 1 0	.0	. 3	1.9	7.0	4.2	.0	48	1.9	11.4
1	.0	.3	4.2	8.1	1.7	.0	51	1.1	13.1
Ô	.0	, 3	4.2	10.6	1.1	.0	58	2.2	13.9
-1	.0	1.1	4.2	8.1	.0	.0	48	.6	12.8
-2	.3	. 8	4.2	2.8	.0	.0	29	.0	8.1
-3	.0	. 9	2.8	3.1	.0	.0	24	.0	6.7
-3 -4	.0	.6	1.9	1.1	.0	.0	13	.0	3.6
-5	.0	. 3	1.4	.0	.0	.0	6	.0	1.7
-6	.0	.0	. 8	.0	.0	.0	3	.0	. 8
-7/-8	.0	.3	. 8	.0	.0	.0	3 4	.0	1.1
TOTAL	1	• •	107		43			29	330
1-1-1-		17		187		4	359		
PCT	.3	4.7	29.8	52.1	12.0	1.1	100.0	8.1	91.9

PERIOD: (DVER-ALL) 1963-1971

TABLE 18

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 27-33 1-3 11-21 48+ 1-3 11-21 1.4 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 24-25 23-25 24-8 49-60 41-8 87+ 707 PCT 4-10 1.1 5.8 1.9 .0 .0 .0 .0 .0 .0 34-47 1-3 11-21 34-47

AUGUST

PERIOD: (DVER-ALL) 1963-1971

TABLE 18 (CONT)

AREA 0022 CAPE TALBOT 13.15 126.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS S	SEA HEIG	HTS (FT)			
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	2.5	.0	.0	.0	.0	2.5		1.4	4.7		.0	.0	.0	6.1	
1-2	.0	2.2	. 8	.0	.0	.0	3.1		.0	2.2		.0	.0	.0	2.8	
3-4	.0	. 8	.0	.0	.0	.0	. 8		.0	2.5		.0	.0	.0	2.8	
5-6	.0	.0	1.1	.0	.0	.0	1.1		.0	.0		.0	.0	.0	.0	
7	.0	.0	.8	.0	.0	.0	.8		.0	.0		.0	.0	.0	.0	
8-9	.0	.0	.0.	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		• 0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	• 0	• 0	.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		• 0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		• 0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	. 0	.0	.0		.0	.0		.0	.0	.0	.0	
TUT PCT	.0	5.6	2.8	.0	.0	• 0	8.3		1.4	9.4	. 8	.0	.0	.0	11.7	
				W					7			NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	1.9	4.2	.0	.0	.0	.0	6.1		1 - 1	.3		.0	.0	.0	1.4	
1-2	.0	3.3	. 8	.0	.0	.0	4.2		• 0	2.2		.0	.0	.0	2.2	
3-4	.0	.0	.8	.0	.0	.0	. 8		.0	2.2		.0	.0	.0	2.2	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	. 3	.0	.0	.0	.3	
7	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	• 0	.0		.0	.0		• 0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	• 0	.0		• 0	.0	.0	.0	.0	.0	.0	
49-60	.0	. 0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	. 0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.9	7.5	1.7	.0	• 0	.0	11.1		1.1	4.7	. 3	.0	.0	.0	6.1	81.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HET	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	26.9	18.3	.0	.0	.0	.0	45.2	003
1-2	2.2	21.5	5.4	.0	.0	.0	29.0	
3-4	.0	8.6	7.5	.0	.0	.0	16.1	
5-6	.0	.0	5.4	1.1	.0	.0	6.5	
7	.0	.0	2.2	1.1	.0	.0	3.2	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								93
TOT PCT	29.0	48.4	20.4	2.2	.0	.0	100.0	

PERIOD: (OVER-ALL) 1950-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SFC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-50	61-70	71-86	87+	TOTAL	MEAN
<6	15.2	26.3	9.1	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	54	2
6-7	1.0	.0	7.1	5.1	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	4
8-9	.0	.0	3.0	1.0	1.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
10-11	.0	.0	4.0	2.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
INDET	16.2	.0	1.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	0
TOTAL	32	26	24	12	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99	2
PCT	32.3	26.3	24.2	12.1	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

EDTEMBER

PERIOD: (PRIMARY) 1890-1969 (DVER-ALL) 1873-1969

TABLE 1

AREA 0022 CAPE TALBOT 12.95 126.26

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	Y TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	20.9	.0	7.0	.0	65.2
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	12.5	.0	13.2	.0	67.4
E	1.8	.0	.0	.0	.0	.0	.0	1.8	1.8	1.8	. 9	.0	9.5	.0	86.0
SE	2.8	1.4	.0	.0	.0	.0	.0	4.3	.0	5.7	.0	.0	18.4	.0	74.5
S	.0	1.7	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	8.4	.0	89.9
Sw	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	. 5	.0	2.4	.0	95.5
W	.0	. 5	.0	.0	.0	.0	.0	.5	.0	6.8	1.0	.0	3.6	.0	88.1
NH	.0	.7	.0	.0	.0	.0	.0	.7	.0	4.5	8.2	.0	3.0	.0	83.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	83.3
TOT PCT	447	.4	.0	.0	•0	.0	.0	.9	. 2	4.1	3.9	.0	5.9	.0	84.6

TABLE 2
FERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HQUR (GMT)	PAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	.0 .6 1.1	.5	.0	.0	•0	.0	.0	.5 .0 1.3 1.1	.5 .0 .0	2.2 .0 8.2 10.2	6.6 7.1 1.9 2.3	.0	7.7 10.1 7.5 4.5	.0	82.4 82.8 81.8 83.0
TOT PCT TOT UBS:	528	.4	.0	.0	•0	.0	.0	.8	.2	4.9	4.5	.0	7.6	.0	82.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	DTS)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	1.8	21	
N	2.2	3.3	. 8	.0	.0	.0		6.3	5.8	2.2	5,6		11.5	7.2	5.4	4.8	3.7	
NE	3.1	3.5	. 8	.0	.0	.0		7.4	5.8	5.1	8.1	9.6	6.7	11.9	8.9	3.2	1.9	
E	1.8	7.4	3.4	.5	.0	.0		13.0	8.8	10.3	22.5	10.1	21.2	10.4	9.8	6.5	9.3	
SE	. 8	4.9	1.1	.3	.0	.0		7.1	7.8	7.4	11.7	5.9	10.6	5.4	5.4	.0	5.5	
S	2.5	3.6	. 5	.0	.0	.0		6.6	5.1	10.8	8.9	3.7	2.9	2.0	8.0	1.6	11.1	
SW	6.9	11.6	.9			.0		19.4	5.3	23.0	17.8	12.8	21.2	14.9	18.8	27.4	24.1	
W	6.4	12.4	2.9			.0		21.7	6.2	24.8	10.6	12.8	15.3	22.8	26.8	28.2	36.1	
NW	5.1	8.2	. 8	.0		.0		14.1	5.3	10.5	12.8	24.5	9.6	20.5	13.4	12.1	8.3	
VAR	.0	.0	.0			.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 5	
CALM	4.3				• •	• •		4.3	.0	5.9	2.2	6.4	.0	5.0	3.6	16.1		
TOT DBS	177	292	60	4	0	0	533		5.9	102	90	47	52	101	56	31	54	
TOT PCT	33.2	54.9	11.3			.0	,,,,	100.0		100.0		100.0	100.0			100.0	100.0	

-	٨	0	•	2	۵

		WIND	SPEED							HOUR		
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	15	1.8
						DRS	FREQ	SPD	03	09	15	21
N	4.4	1.7	. 3	.0	.0		6.3	5.8	3.8	12.9	6.5	4.1
NE	4.5	2.6	. 3	.0	.0		7.4	5.8	6.5	8.1	10.8	2.4
F	5.4	6.3	1.3	.0	.0		13.0	8.8	16.0	15.9	10.2	8.2
SE	3.8	3.0	. 4	.0	.0		7.1	7.8	9.4	8.3	5.4	3.5
5	5.0	1.6	.0	.0	.0		6.6	5.1	9.9	3.3	4.1	7.6
SW	13.6	5.9	.0	.0	.0		19.4	5.3	20.6	17.2	16.2	25.3
W	12.7	8.8	. 2	.0	.0		21.7	6.2	18.1	14.6	24.2	33.2
NW	10.1	3.8	. 2	.0	.0		14.1	5.3	11.6	16.7	18.0	9.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.3						4.3	5.9	4.2	3.0	4.5	5.9
TOT DAS	340	179	14	0	0	533		5.9	192	99	157	85
TOT PCT	A 3 . B	33.6	2.6	.0	.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1890-1969 (OVER-ALL) 1873-1969

TABLE 4

AREA 0022 CAPE TALBUT 12.95 126.2E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (KNOTS) 34~47	48+	MEAN	PCT FREQ	TOTAL
00803	4.2	33.3	52.6	8.9	1.0	.0	.0	5.4	100.0	192
90300	3.0	23.2	55.6	18.2	.0	.0	.0		100.0	99
12615	4.5	27.4	56.1	11.5	. 6	.0	.0		100.0	157
18621	5.9	28.2	56.5	8.2	1.2	.0	. C	5.8	100.0	85
TOT	23	154	292	60	4	0	0	5.9	7 -00	533
PCT	4.3	28.9	54 A	11 3	A	0	· U		100.0	

TARIE

P	CT FRE			DIREC		EIGHTHS)			PERCEN	TAGE F	REQUEN CURREN	CY OF	CEILIN NH <5/	G HEIG	HTS (F	RECTI	4/8)]N	
WHO DIR	0-2	3-4	5-7	8 & 08500	TOTAL	MFAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	5.7	.0	.0	.0		.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	
NE	3.6	.0	. 9	.0		2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	
E	5.5	.0	1.8	.0		1.5	.0	.0	.0	.0	. 9	.0	.0	.0	.0	.0	5.4	
SE	.0	. 9	1.1	.0		5.4	.0	.0	.0	.0	.0	. 2	. 9	.0	.0	.0	. 9	
S	2.5	. 7	.7	.9		2.6	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	4.1	
SW	17.0	1.1	. 5	.0		.9	.0	.0	.0	. ()	.0	.0	.0	.0	.0	.0	18.6	
W	25.0	. 9	1.4	.0		. 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27.3	
NW	16.1	. 9	.9	.0		.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	10.0	. 9	. 9	.0		. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8	
TOT OBS	94	6	9	1	110	1.1	0	0	0	0	1	1	1	0	0	0	107	115
TUT PCT	85.5	5.5	8.2	. 9	100.0		.0	.0	.0	.0	. 9	. 9	. 9	.0	.0	.0	97.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (Nh >4/B) AND VSBY (NM)

				VSB	(NM)				
CEILI	VG . C	R .	UR =	DR =	DR .	- OR -	OR	- DR -	DR.
(FEFT) >1	0	>5	>2	>1	>1/2 >	1/4 >	50YD	>0
DR >65	00	0	.0	.0	.0	.0	.0	.0	.0
DR >500	. 00	0	.0	.0	.0	.0	.0	.0	.0
OR >35	00	9	. 9	. 9	. 9	. 9	. 9	. 9	. 9
DR >201	10	8 1	1.8	. 8	1.8	1.8	1.8	1.8	1.8
DR >10	00 2.	7 2			2.7	2.7	2.7	2.7	2.7
DR >60	2.	7 2	2.7 2	.7	2.7	2.7	2.7	2.7	2.7
DR >30	2.	7 2	2.7	.7	2.7		2.7	2.7	2.7
OR >15	2.				2.7		2.7	2.7	2.7
OR > 0	2.	7 2	2.7	.7	2.7	2.7	2.7	2.7	2.7
TOT	AL.	3	3	3	3	3	3	3	3

TOTAL NUMBER OF DBS: 112

PCT FREQ NH <5/81 97.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCO DBS 52.6 23.7 14.1 3.0 3.0 2.2 .7 .7 .0 .0 135

SE	DT	c		c	0	

							SEP	TEMBER	(
PERIOD: (PRIMARY) 1 (OVER-ALL) 1	890-1969 873-1969						TA	RLE B				ARE		TALBOT 126.2E
		P	ERCENT						URRENCI				E DF	
(NW)		N	NE	F	SF	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
<1/2	PCP NO PCP TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	PCP NO PCP	1.2	.0	.0	.0	.0	.0	.0	1.3	•0	.0	3.4		
1<2	PCP NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	PCP	.6	.6	.0	1.6	.5	.0	.0	.0	.0	.0	.0		
2<5	NO PCP	•0	•0	.0	.0	.0	.0	.2	.0	.0	. 2	.4		
5<10	PCP NO PCP TOT %	1.7 1.7	3.4 3.4	7.3 7.5	4.2 4.6	3.6 3.7	13.1 13.1	12.8 13.0	7.4 7.5	.0	.4	54.0 54.8		
10+	PCP NO PCP TOT %	.0 2.6 2.6	.0 2.8 2.8	3.4 3.4	.0 1.4 1.4	.0 2.1 2.1	6.9	8.5 8.5	5.3 5.3	.0	3.0 3.0			
	TOT OBS	6.2	7.7	11.9	7.5	6.4	20.1	22.1	14.3	.0	3.9	100.0	467	

									I VS WI		ED		
VSBY (NM)	SPD	N	NE	E	SE	s	5 W	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	27+	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.7	.6	. 1	.0	.0	.0	.0	.9	.0	.0	2.4	
1/2<1	4-10	. 4	. 2	.0	.0	.0	.0	.0	.4	.0		1.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.2	.9	. 1	.0	.0	.0	.0	1.3	.0	.0	3.4	
	0-3	.0	.0	.0	.0	.2	.0	.0	. 2	.0	. 2	.6	
1<2	4-10	.6	. 4	. 2	1.0	. 3	. 2	. 4	.0	.0		3.2	
	11-21	.0	. 2	.6	.6	.0	.0	.0	.0	.0		1.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.6	.6	.9	1.6	. 5	. 2	. 4	. 2	.0	. 2	5.4	
	0-3	.0	.0	.0	.0	.0	.0	. 2	.0	.0	.2	.4	
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	. 2	.0	.0	. 2	.4	
	0-3	1.0	1.7	.7	.3	1.8	5.5	5.4	3.5	.0	. 4	20.3	
5<10	4-10	.5	1.4	4.1	3.7	1.9	7.2	6.9	3.6	.0		29.3	
	11-21	. 2	. 3	2.1	. 2	.0	. 4	. 7	. 3	.0		4.3	
	22+	.0	.0	. 5	. 3	.0	.0	.0	.0	.0		. 9	
	TOT *	1.7	3.4	7.5	4.6	3.7	13.1	13.0	7.5	.0	. 4	54.8	
	0-3	. 2	.9	. 2	. 4	. 2	1.5	.9	.6	.0	3.0	7.9	
10+	4-10	1.7	1.5	2.5	. 7	1.3	4.8	5.0	4.0	.0		21.4	
	11-21	. 7	.4	. 8	. 3	.6	.6	2.6	.6	.0		6.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	2.6	2.8	3.4	1.4	2.1	6.9	8.5	5.3	.0	3.0	36.0	
	OT ORS												467
. 1	OT PCT	6.2	7.7	11.9	7.5	6.4	20.1	22.1	14.3	.0	3.9	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1890-1969 (GVER-ALL) 1873-1969

TABLE 10

AREA 0022 CAPE TALBUT 12.95 126.2E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS	
00603	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	2.6	97.4	38	
06609	.0	.0	• 0	.0	.0	.0	3.1	.0	.0	.0	3.1	96.9	32	
12615	.0	.0	.0	.0	2.7	.0	.0	.0	.0	.0	2.7	97.3	37	
18821	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	26	
TOT	0	.0	0	.0	1 .8	.8	.8	.0	.0	0	2,3	130	133	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	Y (NM)	BY HOUR		CUMULAT					VSBY (NM) NUCH YB,(
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL GRS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	6.0	7.1	.0	57.7	29.1	182	00603	.0	.0	.0	3.1	96.9	32
90330	• 0	6.1	7.1	.0	47.5	39.4	99	90360	.0	.0	.0	3.7	96.3	27
12615	.0	1.9	7.5	.6	56.0	34.0	159	12615	.0	.0	.0	3.1	96.9	32
18621	.0	1.1	4.5	1.1	53.4	39.8	88	18821	.0	.0	.0	.0	100.0	21
TOT	.0	21	36 6.8	2	288	181	528 100.0	PCT	0	.0	.0	2.7	109	112

TARLE 13

TABLE 1

	PERC	ENT FR	EQUENC	Y OF P	ELATIV	I HUMI	DITY B	Y TEMP				PERC	ENT FF	EQUENC	Y DF	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DAS	FREQ	N	NE	E	SE	S	SW	н	NW	VAR	CALM
85/89	.0	.0	.4	.0	1.6	.0	1.2	.0	8	3.2	. 2	.6	.0	.4	.0	.0	. 2	1.0	.0	. 8
80/84	.0	.0	1.2	1.6	4.8	21.1	14.7	3.6	118	47.0	3.2	3.1	5.0	5.0	3.9	7.0	10.8	5.0	.0	3.2
75/79	.0	.0	.4	. 8	4.0	23.9	15.5	4.8	124	49.4	2.4	1.8	5.2	5.4	5.1	10.7	10.2	6.4	.0	2.4
70/74	.0	.0	.0	.0	.0	. 4	.0	.0	1	.4	.0	.0	.0	.0	. 4	.0	.0	.0	.0	.0
TOTAL	0	0	5	6	26	114	79	21	251	100.0										
PCT	.0	.0	2.0	2.4	10.4						5.8	5.5	10.2	10.8	9.4	17.6	21.1	13.3	.0	6.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	54	1%	MIN	MEAN	TOTAL
E0300	89	88	85	81	77 78	75 76	72	80.8	211
12615	87	85	85 82	82	76	75	76 75	81.7 79.7	108 175
18621	84	82	81	79	75	74	74	78.A	97
TOT	89	87	84	80	76	75	72	80.3	591

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOUR	
HUUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	7.4	11.7	53.2	23.4	4.3	75	94 51
12615	.0	.0	6.5	45.2	36.6	11.8	80	93
18821	.0	5.5	3.5	38.2	34.5	18.2	80	55
TOT	0	12	30	135	91	25	77	293

SEPTEMBER

PERIOD: (PRIMARY) 1890-1969 (DVER-ALL) 1873-1969

TABLE 17

AREA 0022 CAPE TALPUT 12.95 126.2E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) .

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	89	TOT		WD
TMP DIF	76	80	84	88	92		FUG	FDG
11/13	.0	.0	.3	.0	.0	1	.0	.3
9/10	.0	.0	1.3	.0	.0	5	.0	1.3
7/8	.0	. 5	1.6	. 3	.0	9	. 3	2.2
	.0	. 8	.0	. 5	.0	5	.0	1.3
5	.0	. 3	.0	.0	. 3	5 2	. 3	. 3
4	.0	. 5	1.9	1.1	.0	13	. 5	3.0
3	.0	1.3	3.8	. 8	.0	22	. 5	5.4
2	.0	4.0	10.5	.0	.0	54	2.4	12.1
1	. 5	7.3	12.9	.3	.0	78	1.1	19.9
0	.5	18.1	6.5	.0	.0	93	1.1	24.0
6 5 4 3 2 1 0	1.1	10.0	1.9	.0	.0	48	.0	12.9
-2	.3	4.9	1.1	.0	.0	23	.0	6.2
-3	. 8	1.3	. 5	.0	.0	10	.0	2.7
-3 -4	.8	. 8	. 3	.0	.0	5	.0	1.3
-5	.0	.5	.0	.0	.0	2	.0	. 5
-6	.0	.3	.0	.0	.0	ī	.0	. 3
TOTAL	13		158		1		23	348
		188		11		371		
PCT	3.5		42.6	3.0	. 3	100.0	6.2	93.8

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	1.6
3-4	.0	.0	2.5	.0	.0	.0	2.5	.0	.0	1.6	.0	.0	.0	1.6
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	. 0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	3.3
TOT PCT	.0	.0	2.5	.0	.0	.0	2.5	.0	1.6	1.6	.0	.0	.0	3.3
		4-10	11-21	F 22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
HGT	1-3													
<1	.0	4.9	.0	.0	.0	.0	4.9	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.3	.0	.0	.0	.0	4.9	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.3	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0
1-2 3-4 5-6	.0	4.9 3.3 .0	.0	.0	.0	.0	4.9 3.3 .0	.0	.0	1.6	.0	.0	.0	.0 1.6
1-2 3-4 5-6 7	.0	4.9 3.3 .0	.0	.0	.0	.0 .0 .0	4.9 3.3 .0 .0	.0	.0	1.6	.0	.0	.0	.0 1.6 .0
1-2 3-4 5-6 7 8-9	.0	4.9 3.3 .0 .0	.0	.0	.0	.0	4.9 3.3 .0 .0	.0	.0	1.6	.0	.00	.0	1.6
1-2 3-4 5-6 7 8-9 10-11	.0	4.9 3.3 .0 .0	.0	.0	.0	.00000000000000000000000000000000000000	4.9 3.3 .0 .0	.0	.00.00	1.6	.0	.0	.0	1.6
1-2 3-4 5-6 7 8-9 10-11	.0	4.9 3.3 .0 .0 .0	.0	.0	.0	.00.00	4.9 3.3 .0 .0 .0	.0	.00000000	1.6	.0	.0	.0	1.6
1-2 3-4 5-6 7 8-9 10-11 12 13-16	.0	4.9 3.3 .0 .0 .0	.0	.0	.0	.00000000000000000000000000000000000000	4.9 3.3 .0 .0 .0	.0	.00000000000000000000000000000000000000	1.6	.0	.0	.0	1.6
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19	.0	3.3 .0 .0 .0 .0	.0	.0	.0	.00	4.9 3.3 .0 .0 .0	.00	.0	1.6	.0	.0	.00.00.00.00	1.6
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	.0	3.3 .0 .0 .0 .0	.0	.00	.0	.00000000000000000000000000000000000000	4.9 3.3 .0 .0 .0 .0	.00	.00	1.6	.00000000000000000000000000000000000000	.0	000000000000	1.6
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.0	3.3	.00	.00000000000000000000000000000000000000	.0	.00000000000000000000000000000000000000	4.9 3.3 .0 .0 .0 .0	.00	000000000000000000000000000000000000000	1.6		.0	0000000000000	1.6
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.00000000000000000000000000000000000000	3.3	.00000000000000000000000000000000000000	.00000000000000000000000000000000000000	.0	.00000000000000000000000000000000000000	4.9 3.3 .0 .0 .0 .0		000000000000000000000000000000000000000	1.6		.0	000000000000000000000000000000000000000	1.6
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	.00000000000000000000000000000000000000	3.3	.00000000000000000000000000000000000000	.00000000000000000000000000000000000000	.0	000000000000000000000000000000000000000	4.9 3.3 .0 .0 .0 .0 .0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	1.60	000000000000000000000000000000000000000	.0	00000000000000000	.0
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40		4.9 3.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	000000000000000000000000000000000000000	.00000000000000000000000000000000000000	.0	000000000000000000000000000000000000000	3.3 .0 .0 .0 .0 .0	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	.00	000000000000000000000000000000000000000	.0
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 23-25 23-40 41-48 49-60		4.9 3.3 .0 .0 .0 .0 .0 .0 .0	.00	.00000000000000000000000000000000000000	.0	000000000000000000000000000000000000000	4.9 3.3 .0 .0 .0 .0 .0	000000000000000000000000000000000000000	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	.00000000000000000000000000000000000000		000000000000000000000000000000000000000	.0
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70		4.9 3.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00	000000000000000000000000000000000000000	.00	.0	4.9 3.3 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000		.0			.0
1-2 3-4 7 8-9 10-11 12 17-19 20-22 26-32 33-48 49-60 61-70 71-86		3.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00	.00	.0		4.9 3.3 .0 .0 .0 .0 .0 .0	000000000000000000000000000000000000000	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	.00.00			000000000000000000000000000000000000000
1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70		4.9 3.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00	000000000000000000000000000000000000000	.00	.0	4.9 3.3 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000			.0			.0

SEPTEMBER	
	AREA 0022 CAPE TALBOT
TABLE 18 (CONT)	12.95 126.2E

PCT FREG DE WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				PC	T FREG	OF WIND	SPEED	(KTS) ANI	DIRE	CTION	ERSUS S	EA HEIG	HTS (FT)			
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	1.6	.0	.0	.0	.0	1.6		2.0	4.5	.0	.0	.0	.0	6.6	
1-2	.0	.0	.0	.0	.0	.0	.0		.0	. 4	.0	.0	.0	.0	. 4	
3-4	.0	.0	1.2	.0	.0	.0	1.2		.0	7.0	2.0	.0	.0	.0	9.0	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	. 4	.0	.0	.0	. 4	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	. 0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.5	1.2	.0	.0	.0	2.9		2.0	11.9	2.5	.0	.0	.0	16.4	
HGT		4-10	11-21	22-33	34-47					4-10		22-33				TOTAL
<1	1-3	4-10		.0		48+	PCT		1-3	4-10	11-21		34-47	48+	PCT	PCT
	1.6	10.7	0	.0	•0	• 0	6.1		1.6	13.5	.0	.0	.0	.0	2.0	
1-2			7.4		• 0	• 0	13.9		1.6		.0	.0	.0	.0	15.2	
5-6	.0	1.2	1.2	.0	• 0	• 0	8.6		.0	.0	4.9	.0	.0	.0	4.9	
7	.0	.0		.0	.0	• 0	1.2		.0	.0	.0	.0	.0	.0	.0	
8-9			.0		• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	• 0	• 0	• 6		• 0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0		• 0	• 0	.0		.0		.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	• 0	.0		• 0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
87+ TOT PCT	.0	.0	.0	.0	.0	• 0	.0		.0	13.9	.0	.0	.0	.0	.0	
PUT PCT	2.9	16.8	10.2	.0	• 0	• 0	29.9		3.3	13.9	4.9	•0	.0	.0	22.1	86.9

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	19.4	15.1	.0	.0	.0	.0	35.5	DBS
1-2	3.2	29.0	1.6	.0	.0	.0	33.9	
3-4	.0	8.1	21.0	.0	.0	.0	29.0	
5-6	.0	.0	1.6	.0	.0	.0	1.6	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
97+	.0	.0	.0	.0	.0	.0	.0	
								62
TOT PCT	22.6	53.2	24.2	.0	.0	.0	100.0	

PERIOD: (DVER-ALL) 1950-1969 TABLE 19

PERIOD: (OVER-ALL) 1963-1969

PERCENT PREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD	< 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TUTAL	MEAN
(SEC)																					HGT
<6	14.9	37.3	20.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	2
6-7	• 0	.0	7.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
R-9	.0	1.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
10-11	.0	.0	3.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
>13	• 0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	
INDET	10.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	0
TOTAL	17	26	22	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67	5
PCT	25.4	38.8	32.8	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DCTOBER

 PERIOD: (PRIMARY)
 1890-1969
 AREA 0022
 CAPE TALBOT

 (UVER-ALL)
 1871-1969
 TABLE 1
 13-25
 126-1E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
NND DIR	PAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	6.5	.0	15.8	.0	70.3
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	6.9	.0	15.5	.0	74.1
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.2	.0	10.4	.0	71.4
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.2	.0	.0	.0	81.8
S	10.4	.0	.0	.0	.0	.0	.0	10.4	5.2	13.0	2.6	.0	.0	.0	74.0
SW	3.4	.0	.0	.0	.0	.0	.0	3.4	.0	7.9	2.6	.0	2.6	.0	87.0
W	2.0	.0	.0	.0	.0	.0	.0	2.0	.0	7.1	3.0	.0	3.3	.0	86.6
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8	2.9	.0	7.4	.0	80.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	16.7	.0	.0	•0	• 0	83.3
TOT PCT TOT DBS:	1.9	.0	.0	•0	•0	.0	.0	1.9	.2	7.3	4.3	.0	5.6	.0	82.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	1.2 1.3 5.6	.0	.0	.0	•0	.0	.0	.6 1.2 1.3 5.6	.6	2.5 .0 11.7 13.3	4.9 4.7 3.9 2.2	.0	8.6 7.1 3.9 2.2	.0	83.3 87.1 80.5 82.2
TOT PCT TOT UBS:	1.8	.0	.0	•0	•0	.0	.0	1.8	.2	6.9	4.1	.0	5,7	.0	82.9

TABLE 3
PEKCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				, , ,	ENTAGE	KEGOE						0					
		WI	NO SPE	ED (KN	DTSI								HOUR	(GMT)			
WND DIR	0-3				34-47	48+	TOTAL	FREQ	SPD	00	0.3	06	09	12	15	1.8	21
N	1.6	5.7	1.1	.0	.0	.0		8.4	6.5	4.4	8.6	33.1	2.8	9.3	6.2	11.9	4.1
NE	1.7	4.7	. 4	.0	.0	.0		6.7	5.8	9.4	9.9	10.5	7.4	7.4	2.3	3.5	1.0
E	1.2	2.4	. 5			.0		4.1	5.4	3.9	6.6	9.7	. 9	3.0	3.8	2.4	4.1
SE	1.3	1.0	.0			.0		2.3	4.1	2.2	. 7	.0	1.9	3.3	4.6	2.4	2.0
5	1.5	3.7	• 2			.0		5.4	5.4	10.8	6.6	6.5	4.6	2.2	3.1	2.4	5,1
SW	5.4	16.3	2.6			.0		24.2	6.8	33.9	24.3	4.8	31.5	21.2	20.0	8.05	24.5
W	7.1	22.2	2.3			.0		31.6	6.2	22.8	28.3	21.0			40.0		42.9
NW	3.4	10.0	1.0			.0		14.4	5.8	9.2	15.1	14.5	11.1	18.1	18.5	13.7	14.3
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.0	•			•	•••		3.0	.0	3.3	.0	.0	.0				2.0
TOT DBS	130	328	40	0	0	0	498		6.0	90	76	31	54		65	42	49
TOT PCT	26.1	65.9	8.0			.0	470	100.0						100.0		100.0	100.0

WNO DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN	00	06 09	12 15	18
N	4.9	3.5	.0	.0	.0		8.4	6.5	6.3	13.8	8.0	7.7
NE	4.4	2.2	.1	.0	.0		6.7	5.8	9.6	8.5	5.3	2.2
	3.4	.6	.1	.0	.0		4.1	5.4	5.1	4.1	3.4	3.3
SE	1.8	.5	.0	.0	.0		2.3	4.1	1.5	1.2	3.8	2.2
5	3.8	1.6	.0	.0	.0		5.4	5.4	8.9	5.3	2.6	3.8
SW	12.9	10.6	. 7	.0	.0		24.2	6.8	29.5	21.8	20.7	22.8
H	18.6	12.9	. 1	.0	.0		31.6	6.2	25.3	32.9	34.8	36.3
NW	9.5	4.8	.0	.0	.0		14.4	5.8	11.9	12.4	18.3	14.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.0						3.0	.0	1.8	85	3.2	7.7
TOT OBS	310	183	5	U	0	498		6.0	156		156	
TOT POT	42 7	24 7	1 0	- 0	- 0		100.0		100.0	100.0	100-0	100.0

n	'n	2	c	•	

PERIOD: (PRIMARY) 1890-1969 (CVER-ALL) 1871-1969

TARLE 4

AREA 0022 CAPE TALBUT 13.25 126.1E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21		KNOTS) 34-47	48+	MEAN	PCT	TOTAL
00603	1.8	29.5	62.7	6.0	.0	.0	.0	5.4	100.0	166
06609	.0	21.2	65.9	12.9	.0	.0	.0	6.8	100.0	85
12615	3.2	19.2	68.6	9.0	.0	.0	.0	6.3	100.0	156
18621	7.7	19.8	67.0	5.5	.0	.0	.0	5.5	100.0	91
TOT	15	115	326	40	0	0	0	6.0		498
PCT	3.0	23.1	65.9	8.0	.0	.0	.0		100.0	

*....

AOLE 7																		
P	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRFCTION MEAN							,					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL 085	MEAN CLOUD COVER	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
	9.9	1.2	.0			.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
						1 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	
NE	5.7	1.2	.0	0		1.7			0	.0	1.2	.0	.0	.0	.0	1.2	1.6	
E	. 6	.0	2.4			6.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	1.2	
SF	1.2	.0	.0	.0		.0	• 0	.0	.0						.0		2.7	
5	. 6	.0	2.1	.0		4.4	.0	.0	.0	.0	.0	.0	.0	.0				
SH	22.0	3.3	. 5	- 2		. 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	25.9	
		2.7	. 9	0		1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.6	
	22.0	-				1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.7	
NW	11.4	.0	1.2	• 0		***		.0	0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0		.0	• 10					7.00		.0	.0	.0	9.6	
CALM	8.4	1.2	.0	.0		1.1	.0	.0	.0	.0	.0	.0	.0	• 0			81	83
TOT DBS	68	8	6	1	83	1.3	0	0	0	0	1	0	0	0	0	1		
TOT OCT	91 0	9 4	7.2	1.2	100.0		.0	.0	.0	.0	1.2	.0	.0	.0	.0	1.2	97.6	100.0

TABLE 7

CUMULATIVE	PCT	FRFQ	DF	SIMULTANEOUS	DCCURRENCE
OF C. 11 11		TOUT	LNI	SA/91 AND V	SRY INMI

				VSBY (NM	1)			
CEILI	VG . DR	• UR	- DR	. DR	· DR	= DR	• DR	. DR
(FEFT		>5	>2	>1	>1/2	>1/4	>50YD	>0
• OR >650	00 1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
• OR >500		1.2	1.2	1.2	1.2	1.2	1.2	1.2
• OR >35		1.2	1.2	1.2	1.2	1.2	1.2	1.2
• DR >20		1.2	1.2	1.2	1.2	1.2	1.2	1.2
■ DR >10		2.4	2.4	2.4	2.4	2.4	2.4	2.4
• DR >60		2.4	2.4	2.4	2.4	2.4	2.4	2.4
• DR >30		2.4	2.4	2.4	2.4	2.4	2.4	2.4
• DR >15		2.4	2.4	2.4	2.4	2.4	2.4	2.4
• DR > 0		2.4	2.4	2.4	2.4	2.4	2.4	2.4
• UK > 0		2	2.4	2	2	2	2	2

TUTAL NUMBER OF DBS: 83 PCT FRED NH 45/8: 97.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	DBS
41.5	29.2	17.0	8.5	1.9	.9	.9	•0	.0	.0	106

		B	

							OC	TOBER						
	1890-1969 1871-1969						TA	BLE B				ARE	A 0022 CAP 13.25	126.1E
		Pf	RCENT	PREC	F WIN	DIRE	CTION TH VAR	VS DCC	URRENCE ALUES	E OR N	ON-OCC	URRENC Y	E OF	
VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAP	CALM	PCT	TOTAL	
<1/2	PCP ND PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	PCP	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<	1 NO PCP	.5	.4	.0	.2	.0	.6	1.0	.4	.0	.0	3.2		
	PCP	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0		
1<2	NO PCP	1.2	.5	:4	.0	.2	1.2	1.6	1.5	.0	.2	6.9		
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	NO PCH	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2		
	PCP	.0	.0	.0	.0	.4	.9	.6	.0	.0	.0	1.9		
5<10	NO PCP	3.6	3.3	2.4	1.3	2.1	17.3	23.6	9.2	.0	:4	62.4		
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
10+	NO PCP	3.0	2.0	1.3	.6	1.3	6.1	5.6	3.4	.0	1.9	25.3		

TOT DRS TOT PCT 8.3 6.2 4.1 2.4 4.1 25.2 32.5 14.6 .0 2.6 100.0 466

VSRY	SPD	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS	.,			3.5	,							DAS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	. 2	.0	.0	.2	.0	. 1	.5	. 2	.0	.0	1.3	
1/2<1	4-10	. 1	. 2	.0	.0	.0	. 5	.3	. 1	.0		1.3	
	11-21	. 2	. 2	.0	.0	.0	.0	. 1	. 1	.0		.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.5	. 4	.0	. 2	.0	.6	1.0	.4	.0	.0	3.2	
	0-3	.3	. 2	.2	.0	.0	.0	.2	.3	.0	.2	1.5	
142	4-10	. 9	.5	.0	.0	. C	.9	1.1	1.2	.0		4.5	
	11-21	.0	.0	. 2	.0	. 2	.3	. 3	.0	.0		1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.2	.7	. 4	.0	. 2	1.2	1.6	1.5	.0	.2	7.1	
	0-3	.0	.0	.0	. 2	.0	.0	.0	.0	.0	.0	. 2	
265	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• ()	.0	.2	.0	.0	.0	.0	.0	.0	. 2	
	0-3	.1	.6	. 6	.3	.7	3.2	5.5	1.4	.0	.4		
5<10	4-10	2.8	2.5	1.5	1.0	1.8	12.5	17.5	7.2	.0		46.7	
	11-21	. 7	. 2	. 3	.0	. C	1.5	1.3	.6	.0		4.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	3.6	3.3	2.4	1.3	2.6	17.2	24.2	9.2	.0	.4	64.2	
	0-3	.9	.7	.4	.5	.4	2.3	.5	1.1	.0	1.9	8.8	
10+	4-10	1.9	1.2	. 9	.1	. 9	2.9	4.4	2.1	.0		14.3	
	11-21	.2	.0	.0	.0	.0	.9	.7	. 3	.0		2.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	2.9	2.0	1.3	.6	1.3	6.1	5.6	3.4	.0	1.9	25.3	
	OT ORS												46
7	DT PCT	8.3	6.4	4.1	2.4	4.1	25.2	32.4	14.0	.0	2.6	100.0	

OCTOBER

PERIOD: (PRIMARY) 1890-1969 (DVER-ALL) 1871-1969

TABLE 10

AREA 0022 CAPE TALBUT 13.25 126.1E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150	300 599	999	1000	2000	3500 4999	5000 6499	6500 7999	8000+	TUTAL	NH <5/8 ANY HGT	TOTAL
00803	.0	.0	.0	.0	3.7	.0	.0	.0	.0	.0	3.7	96.3	27
06809	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	4.5	95.5	22
12815	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	30
18821 .	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	27
TOT	0	0	0	0	1	0	0	.0	.0	.9	1.9	104 98.1	100.0

3

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	CELLIN	FREQ G HGT	(FEET,	GES OF NH >4/8), BY HOUR	AND/UK
HOUR (GMT)		1/2<1	1<2	2<5	5<10		TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ 4ND5+	NH <5/8 AND 5+	TOTAL
60300	.0	3.7	9.3	.0	67.3	19.8	162	00803	.0	.0	.0	5.3	94.7	19
06609	.0	4.7	4.7	.0	64.7	25.9	85	06609	.0	.0	.0	6.3	93.8	16
12615	.0	2.6	7.7	.6	67.1	21.9	155	12815	.0	.0	.0	.0	100.0	25
18821	.0	1.1	4.4	.0	58.9	35.6	90	18821	.0	.0	.0	.0	100.0	23
TOT	.0		35 7.1	.2	321	120 24.4	492	PCT	.0	.0	.0	2.4	97.6	100.0

*ADIE 13

TABLE 14

	DERCI	ENT FR	FOUFNC	Y DF R	ELATIVE	E HUMIC	TTY BY	TEMP				PERCI	ENT FR	EGNENC,	Y OF W	IND DI	RECTIO	N BY TI	ЧР	
TEMP F								90-100	DBS	FREG	N	NE	E	S E	S	SW	W	NW	VAR	CALM
							0	.0	1	.4	.0	.0	.0	.0	.0	.0	.0	. 4	.0	.0
90/94	.0	.0	• ()	. ()	.0				37	14.7	2.9	2.2	2.3	. 4	. 4	1.4	2.8	2.0	.0	. 4
85/89	.0	.0	.0	2.0	3.2	7.1	2.4	.0		14.7	6.2	4.0	4.0	2.6	4.7	16.7	14.4	16.7	.0	3.2
80/84	.0	.0	.0				32.5	2.0	182	12.7	1.2	.2	.6	.6	. 8	3.6	3.8	1.6	.0	.4
75/79 TOTAL	.0	.0			22		105	20		100.0						21 4	20.9	20.6	.0	4.0
PCT	.0	.0	125	2.4	8.7	36.9	41.7	10.3			10.2	6.3	6.8	3.6	5.9	21.6	20.7	20.0		

					71165	ne tel	MP (DE	G F1 F	Y HOUR		PERC	ENT FRE	QUENCY	DF RELA	TIVE H	UMIDITY	BY HOUR	1
HOUR	MEANS, E	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80~89	90-100	MEAN	TOTAL
(GMT) 00603 06609 12615 18621	92 90 89 85 92	88 89 88 84	86 88 85 84 86	82 63 81 80 82	79 80 79 78 79	78 79 77 76 77	78 79 77 76 76	82.2 83.5 81.5 80.5 81.9	178 89 163 95 525	00803 06809 12815 18821	.0	6.0 6.1 .0	8.4 18.4 6.9 1.9 23	38.6 32.7 41.4 25.0	42.2 36.7 40.2 55.8 117	4.8 6.1 11.5 17.3 26	77 76 80 84 79	83 49 87 52 271

DCTDBER

PERIOD: (PRIMARY) 1890-1969 (DVER-ALL) 1871-1969

TABLE 17

AREA 0022 CAPE TALBUT 13.25 126.1E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	77	81	85	89	TOT	W	WD
TMP DIF	80	84	88	92		FOG	FOG
7/8	.0	.0	. 3	. 8	4	.0	1.1
6	.0	. 3	.5	. 5	5	.3	1.1
	.0	. 5	. 8	. 3	6 7	.0	1.6
4	.0	.5	1.4	.0	7	.0	1.9
3	.0	3.0	1.4	.0	16	. 3	4.1
2	. 8	4.9	1.6	.0	16 27	.5	1.9 4.1 6.9
1	2.5	13.5	1.4	.0	63	1.4	15.9
5 4 3 2 1 0	8.5	17.6	2.5	.0	104	1.4	27.2
-1	13.7	7.1	1.4	.0	81	. 8	21.4
-2 -3	5.8	2.7	.0	.0	31	. 3	8.2
-3		2.7	.0	.0	15	.0	4.1
-4	1.4	.0	.0	.0	2 1 1	.0	.5
-5	.0	. 3	.0	.0	1	.0	. 3
-6	. 3	.0	.0	.0	1	.0	. 3
-7/-8	. 3	.0	.0	.0	1	.0	. 3
TOTAL	123		41			18	346
		194		6	364		
PCT	33.8	53.3	11.3	1.6	100.0	4.9	95.1

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.7	3.0	.0	.0	• 0	.0	4.7	1.7	.4	.0	.0	.0	.0	2.2
1-2	.0	1.3	1.7	.0	• 0	.0	3.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0
TOT PCT	1.7	4.3	1.7	.0	• 0	.0	7.8	1.7	. 4	.0	.0	. 0	.0	2.2
				F										
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
<1	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.2	.0	.0	.0	.0	5.2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+														
	.0	5.2	.0	.0	.0	.0	5.2	.0	.0	.0	.0	:0	.0	.0

n	-	6	-

PERICO: (OVER-ALL) 1963-1969

TABLE 18 (CONT)

AREA 0022 CAPE TALBOT 13.25 126.1E

Det	EREA !	OF LITTIE	coren	INTEL	AND	DIRECTION	VEDCILE	CEA	UETCHTE	/ F T 1

				PC	T FREQ	OF WIND	SPEED	(KTS) AN	D DIRE	CIION	VERSUS !	SEA HEIG	HTS (FT)			
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	
<1	.0	1.7	.0	.0	.0	.0	1.7		6.0	6.5		.0	.0	.0	12.5	
1-2	.0	.0	.0	.0	.0	.0	.0		2.2	9.9	.0	.0	.0	.0	12.1	
3-4	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	3.9	
5-6	.0	.0	.0	.0	.0	• 0	.0		.0	.0		.0	.0	.0	1.7	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
8-9	.0	.0	.0	.0	• 0	.0	.0		.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
12	.0	. 0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0		.0		• 0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0		. C		• 0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
TOT PCT	.0	1.7	.0	.0	.0	.0	1.7		8.2	10.4	5.6	.0	.0	.0	30.2	
				W								NW				PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	PCT
<1	2.6	8.2	1.3	.0	• 0		12.1		.9	. 9		.0	.0	.0	1.3	
1-2	1.3	15.5	1.7	.0	.0		18.5		20	6.0		.0	.0	.0	7.8	
3-4	.0	1.7	1.3	.0	• 0		3.0		.0	1.7		.0	.0	.0	1.7	
5-6	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
7	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0		.0		*0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	• 0		.0		.0	. 0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0		.0		• 0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0		.0		• 0			.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0		.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0		. 6		.0	. 4		.0	.0	.0	.0	
24-32	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0		. 0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
TOT PCT	3.9	25.4	4.3	.0	.0	• 0	33.6		.0	8.6	2.2	.0	.0	.0	10.8	91.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
								085
<1	20.7	20.7	1.7	.0	.0	.0	43.1	
1-2	3.4	37.9	5.2	.0	.0	.0	46.6	
3-4	.0	3.4	5.2	.0	.0	.0	8.6	
5-6	.0	.0	1.7	.0	.0	.0	1.7	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								58
TOT PCT	24.1	62.1	13.8	.0	.0	.0	100.0	

PERIOD: (DVER-ALL) 1965-1969 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	19.0	29.3	10.3	3.4	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	2
6-7	.0	1.7	8.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
10-11	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
INDET	22.4	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	0
TOTAL	24	18	13	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	58	2
PCT	41.4	31.0	22.4	3.4	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

		 •	-	-	

		NOVERDER	
PERIOD: (PE	1891-1967 1886-1967	TABLE 1	12.85 126.5
		PERCENT PREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION	
		CAUCO MEATURE	EN OUENOMENA

			р	RECIPI	TATION	TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N NE E	1.2 3.1 4.8	.0 .0 4.8	3.1 .0	.0	.0	.0	.0		.0	11.1 14.0 2.4	8.6 10.9 2.4 6.7	.0	18.5 8.5 3.6 4.4		61.7 60.5 82.1 84.4
S E S M	.0	1.5	.0	.0	.0	.0	.0	1.5 5.7 1.0	.0	11.7 13.0 10.9	5.8	.0	1.5 9.3 24.5	.0	79.6 70.4 62.2
NW VAR	2.0	.0	.0	.0	.0	.0	.0	2.0	.0	8.4	7.4	.0	14.1	.0	70.1
TOT PCT TOT OBS:	1.2	1.5	.2	.0	.0		.0	2.9	.0	9.5	4.9	.0	13.8	.0	69.7

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	2.3 .0 1.4 1.1	2.3	.8	.0	.0	.0	.0	5.4 1.2 1.4 3.3	.0	2.3 1.2 20.9 13.3	6.2 2.4 5.0 4.4	.0	12.3 12.0 15.8 12.2		74.6 83.1 58.3 66.7
TOT PCT	1.4	1.4	.2	.0	•0	.0	.0	2.9	.0	10.2	4.8	.0	13.3	.0	69.5

-10:5 2

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0~3		11-21			48+	TOTAL DBS	PCT FREQ	MEAN SPD	00	03	06	HOUR 09	(GMT)	15	18	21
N NE E SE S H NH VAR CALM TOT UBS	2.3 1.5 2.2 2.3 1.9 3.0 4.3 1.8 .0 5.1 105 24.5	5.7 5.2 2.9 2.7 5.4 9.5 16.1 13.3 .0	1.4 1.6 .9 .0 .5 2.0 4.4 2.7 .0	.0 .2 .5 .1 .2 .0 .0	.0	.0	428	9.5 8.5 6.4 5.4 8.0 14.5 24.8 17.8 5.1	6.5 7.4 6.5 6.5 6.3 6.5 7.1 7.2	6.4 3.5 5.1 2.6 14.4 20.8 29.2 14.1 3.8 78	10.7 14.3 10.7 9.5 7.7 13.7 17.9 13.1 .0 2.4 42	50	9.1 6.1 9.1 13.6 9.1 15.2 18.2 19.7 .0	22.8 .0 7.9 89	8.3 9.4 8.3 8.3 5.2 14.1 27.6 18.8 .0 .0 48	7.4 3.7 3.7 6.0 10.2 11.1 30.6 16.2 .0 11.1 54	10.3 10.3 5.9 8.8 14.7 29.4 20.5

	-	·		-	A

WND DIR	0-6	WIN0 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06 09	(GMT) 12 15	18
N	5.3	4.0	.1	.0	0		9.5	6.5	7.9	11.4	10.2	8.5
NE	5.2	2.7	.6	.0	.0		8.5	7.4	7.3	11.7	8.9	6.3
F	5.0	1.0	. 5	.0	.0		6.4	6.5	7.1	9.0	5.5	4.5
58	3.7	1.3	. 1	.0	. 2		5.4	6.5	5.0	6.9	5.8	3.7
	5.0	2.8	.2	.0	.0		8.0	6.3	12.1	6.9	4.0	9.7
SW		5.9	.0	.0	.0		14.5	6.5	16.3	12.7	13.7	12.5
	8.6			.0	.0		24.8	7.1	25.2	17.8	25.4	30.1
W	11.0	13.8	.0	.0	.0		17.8	7.2	13.8	17.5	21.4	17.9
NW	8.5	9.1	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0				3.3		5.1	6.8
CALM	5.1						5.1	.0	120	83	137	88
TOT ORS	246	174	7	0	2	428		6.5				
TOT DET	.7 .	40 7		- 0	. 2		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1891-1967 (OVER-ALL) 1886-1067

TABLE 4

AREA 0022 CAPE TALBUT 12.85 126.5E

PERCENTAGE	FREQUENCY	DE	WIND	SPEED	BY	HOUR	(GMT)

				WIND	SPEFD (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00803	3.3	25.8	60.8	9.2	. 8	.0	.0	5.6	100.0	120
05609	6.0	16.9	59.0	15.7	2.4	.0	.0	7.0	100.0	83
12615	5.1	16.8	59.1	19.0	.0	.0	.0	6.7	100.0	137
18821	6.8	17.0	64.8	9.1	1.1	1.1	.0	7.0	100.0	8.8
TOT	22	83	260	58	4	1	0	6.5		428
PCT	5.1	19.4	60.7	13.6	. 9	. 2	.0		100.0	

TABLE 5

TABLE 6

Р	CT FRE			D DIRFC		EIGHTHS)		1					CEILIN					
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500	8000+	NH <5/8 ANY HGT	TOTAL
N	5.0	1.1	.6	.5		2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	
NE	2.1	1.5	. 2	. 6		2.4	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	3.7	
E	2.3	1.1	. 5	.0		2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	
SE	2.8	.0	. 8	.0		2.1	.0	.0	.0	.0	.0	. 2	.0	.0	.0	.0	3.4	
S	3.4	2.4	. 5	. 6		2.6	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	6.5	
SW	7.3	4.5	1.5	.0		2.1	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	12.7	
W	24.5	4.1	1.1	1.3		1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31.0	
NH	11.7	4.1	.0	1.9		2.1	.0	.0	.0	.0	. 6	.0	.0	.0	.0	.0	17.0	
VAP	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
LALM	9.7	.0	.6	1.3		1.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	11.0	
TOT DBS	106	29	9	10	154	1.9	0	0	0	1	2	2	0	0	0	0	149	154
TOT PCT	68.8	18.8	5.8	6.5	100.0		.0	.0	.0	.6	1.3	1.3	.0	.0	.0	.0	95.8	100.0

TABLE 7

CUMULATIVE PCT FREG OF CEILING HEIGHT	DF SIMULTANEOUS OCCURRENCE (NH >4/8) AND VSBY (NM)
--	--

				VSBY (NM	1			
CFILING	• CR	· DR	= DR	= OR	* OR	- GR	- OR	- OR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR >6500	.0	.0	.0	.0	.0	.0	.0	.0
DR >5000	.0	.0	.0	.0	.0	.0	.0	.0
DR >3500	.0	.0	.0	.0	.0	.0	.0	.0
DR >2000	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
DR >1000	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
DR >600	2.6	3.2	3.2	3.2	3.2	3,2	3.2	3.2
DR >300	2.6	3.2	3.2	3.2	3.2	3.2	3.2	3.2
OR >150	2.6	3.2	3.2	3.2	3.2	3.2	3.2	3.2
OR > 0	2.6	3.2	3.2	3.2	3.2	3.2	3.2	3.2
TOTAL	4	5	5	5	5	5	5	5

TOTAL NUMBER OF DBS: 154 PCT FRED NH 45/81 96.8

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCD TOTAL OBS

N				

							NOV	EMREK							
ERIOD: (PRIMARY) 1 (DVER-ALL) 1	891-1967 886-1967						TA	BLE 8				ARE		12.85	
		PI	FRCENT	PREC !	DF WINI	DIRE	CIION TH VAR	VS DCC	URRENCE ALUES	E OR N	ON-OCO	URRENC	E DF		
VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL		
<1/2	PCP NO PCP	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	TOT %	•0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1/2<1	PCP NO PCP	•1	.0	.0	.0	:0	.0	.0	1.3	.0	.0	4.1			
	TOT %	. 7	. 2	.0	.4	.7	.6	.2	1.7	.0	.0	4.6			
1<2	PCP ND PCP	1.5	.2	.0	.0	.0	.0	1.7	1.2	.0	.0	5.8			
	TOT %	1.5	.7	.0	2	• 1	.6	1.7	1.2	.0	.0	6.1			
2<5	PCP NO PCP	•0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2			
	TOT %	.0	. 2	.0	• 0	.0	.0	.0	.0	.0	.0	.0			
5<10	PCP ND PCP	3.8	4.0	2.6	2.4	3.9	6.2	9.2	6.1	.0	.0	38.4			
	TOT %	3.8	4.2	3.0	2.7	4.0	7.1	9.4	6.1	.0	. 2	40.6			
10+	PCP NO PCP	3.7	2.4	2.1	2.2	3.5	6.8	13.7	8.9	.0	5.1	48.4			
	TOT %	3.7	2.4	2.1	2.2	3.5	6.8	13.7	8.9	.0	5.1	48.4			
	TOT OBS	9.7	7.8		5.5	0.3	15.0	25.1	18.0	.0	5 4	100.0	411		

TABLE 9

VSBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS				36	-	-					, ,	DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.4	. 2	.0	.0	. 1	.4	.0	.1	.0	.0	1.2	
1/241	4-10	. 4	.0	.0	. 4	. 4	. 2	. 2	1.3	.0		2.9	
	11-21	.0	.0	.0	.0	. 2	.0	.0	. 2	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.7	• 2	.0	. 4	.7	.6	. 2	1.7	.0	.0	4.6	
	0-3	. 1	. 2	.0	.0	. C	.0	.7	. 4	.0	.0	1.5	
1<2	4-10	.9	. 2	.0	.2	. 1	.6	. 7	. 6	.0		3.4	
	11-21	. 5	. 2	.0	.0	.0	.0	. 2	. 2	.0		1.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.5	• 7	.0	. 2	.1	.6	1.7	1.2	.0	.0	6.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	. 2	.0	.0	.0	.0	.0	.0	.0		. 2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	• 2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	0-3	.7	.4	1.7	1.7	1.3	1.8	2.1	1.2	.0	. 2	11.2	
5<10	4-10	2.3	3.1	. 9	.7	2.7	4.3	6.6	4.6	.0		25.1	
	11-21	.9	.5	.0	.0	.0	1.0	.7	. 4	.0		3.4	
	22+	.0	.2	. 5	. 2	.0	7.1	.0	.0	.0		1.0	
	TOT %	3.8	4.2	3.0	2.7	4.0	7.1	9.4	6.1	.0	. 2	40.6	
	0-3	1.2	.5	.4	. 7	.5	1.0	1.7	. 2	.0	5.1	11.4	
10+	4-10	2.4	1.2	. 7	1.4	2.4	4.7	8.5	6.8	.0		24.2	
	11-21	. 1	• 7	. 9	.0	. 3	1.0	3.5	1.9	.0		8.5	
	22+	.0	.0	.0	. 1	. 2	.0	.0	.0	.0		. 2	
	TOT %	3.7	2.4	2.1	2.2	3.5	6.8	13.7	8.9	.0	5.1	48.4	
	OT DAS												411
T	DT PCT	9.7	7.8	5.1	5.5	8.3	15.0	25.1	18.0	.0	5.4	100.0	

NO	V	2	M	A	F	R

PERIND:	(PRIMARY)	1891-1967
	(CVER-ALL)	1886-1967

TABLE 10

AREA 0022 CAPE TALBOT 12.85 126.5F

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HDUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	38
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	41
12615	.0	.0	.0	2.2	.0	2.2	.0	.0	.0	.0	4.3	95.7	46
18821	.0	.0	.0	.0	4.8	2.4	.0	.0	.0	.0	7.1	92.9	42
TOT	0	0	0	1	. 2	2	0	0	0	0	5	162	167

								CHALLAT			05 044		Venu (1141)	AND / 20
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		COMOLAI					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HUUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00203	.0	5.4	7.8	.0	43.4	43.4	129	00803	.0	.0	.0	.0	100.0	36
06809	.0	1.2	2.4	•0	41.0	55.4	83	06609	.0	.0	.0	.0	100.0	39
126.15	.0	5.8	7.9	.0	47.5	38.8	139	12615	.0	.0	2.4	2.4	95.1	41
18821	.0	5.6	4.4	1.1	33.3	55.6	40	18821	.0	.0	.0	7.9	92.1	38
TOT PCT	.0	21	27 6.1	.2	186	206	100.0	TOT PCT	.0	.0	.6	2.6	149 96.8	154

				A 1.	-									10000					
PERCE	ENT FRE	QUENC	OF R	ELATIV	E HUMI	DITY BY	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.4	2.2	.4	.0	.0	8	3.0	.0	1.1	.0	.4	.6	. 2	.4	.4	.0	.0
.0	.0	.0	.4	5.2	19.0	7.1	.0	85	31.7	5.5	3.5	2.5	2.9	1.3				.0	2.6
.0	.0	.0	.0	2.6	20.5	33.2	7.5	171	63.8	6.1	3.4	2.7	2.1	4.1	8.8	19.4	14.0	.0	3.4
.0	.0	.0	.0	.0	. 4	.7	. 4	4	1.5	.0	.0	. 4	. 1	. 5	. 2	. 4	.0	.0	.0
0	0	0	2	27	108	110	21	268	100.0										
.0	.0	.0	.7	10.1	40.3	41.0	7.8			11.6	7.9	5.6	5.4	6.4	12.8	25.1	19.2	.0	6.0
	0-29	0-29 30-39 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-29 30-39 40-49 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	PERCENT FREQUENCY OF R 0-29 30-39 40-49 50-59 .0 .0 .0 .4 .0 .0 .0 .0 .4 .0 .0 .0 .0 .0	PERCENT FREQUENCY OF RELATIV 0-29 30-39 40-49 50-59 60-69 .0 .0 .0 .4 5.2 .0 .0 .0 .4 5.2 .0 .0 .0 .0 .2 .6 .0 .0 .0 .0 .0 .0	PERCENT FREQUENCY OF RELATIVE HUMIN 0-24 30-39 40-49 50-59 60-69 70-79 .0 .0 .0 .4 5.2 19.0 .0 .0 .0 .4 5.2 19.0 .0 .0 .0 .0 2.6 20.5 .9 .0 .0 .0 .0 .0 2.6 20.5 .0 .0 .0 .0 .0 .0 2.7 108	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY 0-27 30-39 40-49 50-59 60-69 70-79 80-89 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 .0 .0 .0 .4 2.2 .4 .0 .0 .0 .0 .0 .4 5.2 19.0 7.1 .0 .0 .0 .0 .0 .2.6 20.5 33.2 7.5 .0 .0 .0 .0 .0 .4 .7 .4 0 0 0 0 2 27 108 110 21	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP 0-27 30-39 40-49 50-59 60-69 70-79 80-89 90-100 085 0 0 0 0 4 5.2 19.0 7.1 0 85 0 0 0 0 4 5.2 19.0 7.1 0 85 0 0 0 0 0 4 5.2 19.0 7.1 10 17 0 0 0 0 0 2 27 108 110 21 268	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 D85 FREQ 0 0 0 0 4 2.2 4 0 0 8 3.0 0 0 0 0 4 5.2 19.0 7.1 6 85 31.7 0 0 0 0 2.6 20.5 33.2 7.5 171 63.8 0 0 0 0 2 27 108 110 21 268 100.0	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 085 FRED N .0 .0 .0 .0 .4 2.2 .4 .0 .0 .8 3.0 .0 .0 .0 .0 .0 .0 .5 31.7 5.5 .0 .0 .0 .0 .0 .2 6 20.5 33.2 7.5 171 63.8 6.1 .0 .0 .0 .0 .0 .0 .0 .4 .7 .4 4 1.5 .0 .0 .0 .0 .0 .0 .4 .7 .4 4 1.5 .0 .0 .0 .0 .0 .2 7 108 110 21 268 100.0	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 085 FREQ 0 0 0 0 4 2.2 4 0 0 8 3.0 10 10 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 085 FREQ 0 0 0 0 4 2.2 4 0 0 8 3.0 0 11 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 D85 FREQ 0 0 0 0 4 2.2 4 0 0 8 3.0 0 11 0 4 0 0 0 0 4 5.2 19.0 7.1 0 85 31.7 5.5 3.5 2.5 2.9 0 0 0 0 0 26 20.5 33.2 7.5 171 63.8 6.1 3.4 2.7 2.1 0 0 0 0 2 27 108 110 21 288 100.0	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP TOTAL PCT OF REQUENCY OF REQUEN	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 D85 FREQ N NE E SE S SW 0 0 0 0 4 2.2 4 0 0 8 3.0 0 1.1 0 4 6 .2 0 0 0 0 4 5.2 19.0 7.1 0 85 31.7 5.5 3.5 2.5 2.9 1.3 3.6 0 0 0 0 0 2.6 20.5 33.2 7.5 171 63.8 6.1 3.4 2.7 2.1 4.1 8.8 0 0 0 0 7 2 7 108 110 21 268 100.0	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 D85 FREQ N NE E SE S SW W 0 0 0 0 4 2.2 4 0 0 8 3.0 0 1.1 0 4 6 .2 4 0 0 0 0 4 5.2 19.0 7.1 6 85 31.7 5.5 3.5 2.5 2.9 1.3 36 4.9 0 0 0 0 0 2.6 20.5 33.2 7.5 171 63.8 6.1 3.4 2.7 2.1 4.1 8.8 19.4 0 0 0 0 2 27 108 110 21 268 100.0	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DB5 FREQ N NE E SE S SW W NW NO .0 .0 .4 5.2 19.0 7.1 .6 85 31.7 5.5 3.5 2.5 2.9 1.3 3.6 4.9 4.9 0 .0 .0 .0 .0 2.6 20.5 33.2 7.5 171 63.8 6.1 3.4 2.7 2.1 4.1 8.8 19.4 14.0 0 .0 .0 .0 .0 .0 .4 7 .4 4 1.5 .0 .0 .4 1.5 .2 .4 .0 0 0 0 7 27 108 110 21 268 100.0	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 085 FREQ N NE E SE S SW W NW VAR NO .0 .0 .4 2.2 .4 .0 .0 88 3.0 .0 11 .0 .4 .6 .2 .4 .4 .0 .0 .0 .0 .0 .0 .4 .7 .4 .1 .5 .2 .4 .0 .0 .0 .0 .0 .0 .1 .0 .4 .6 .2 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

				TAP	LE 15									TABLE	16			
	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR										PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGIMU	BY HOUR	
HOUR (GMT)	мдх	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70~79	80-89	90-100	MEAN	TOTAL DBS
00803	93	91 93	88	85 86	8 1 8 2	77 79	77	84.7	127	00803	.0	1.2	12.2	45.1	36.6	2.0	77	82 51
12615	86 87	87 85	85	83	81	80 79	80 79	83.5	138 85	12815	.0	.0	5.0	38.9	50.0	15.0	81	90 60
TOT	94	91	88	84	81	79	77	84.2	429	TOT	0	2	27	115	116	23	79	283

NOVEMBER

PERIOD: (PRIMARY) 1891-1967 (DVER-ALL) 1886-1967

() 1891-1967 LL) 1886-1967 TABLE 17 AREA 0022 CAPE TALBUT 12.85 126.5E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	77	81	85	89	>92	TOT	W	WO
			88	92		101	FUG	FDG
TMP DIF	80	84	0.0	72			100	
11/13	.0	.0	.0	.0	. 3	1 2	.0	.3
7/8	.0	.0	. 3	.0	.0	2	. 0	. 7
	.0	.0	.0	.3	.0	2 3 7 8	.0	. 7
5	.0	.0	. 3	. 7	.0	3	.0	1.0
4	.0	.0	1.0	1.3	. 0	7	.0	2.3
3	.0	.0	2.0	. 3	.0	8	.0	2.3
2	.0	1.3	5.3	. 3	.0	21	1.0	6.0
1	.0	3.6	7.3	.0	.0	33	.7	10.3
ō	. 7	11.6	7.3	.0	.0	59	.3	19.2
5 4 3 2 1 0	.0	16.2	6.0	.0	.0	57	3.0	19.2
-2 -3 -4	1.7	18.9	2.3	.0	.0	69	1.0	21.9
-3	.7	6.0	.3	.0	.0	21	. 3	6.6
-4	. 7	1.0	.0	.0	.0	5	.0	1.7
-5	.3	. 7	.3	.0	.0	4	.0	1.3
TOTAL	12		99		1		20	282
		180		10		302		
PCT	4.0	59.5	32.8	3.3	. 3	100.0	5.6	93.4

PERIOD: (DVER-ALL) 1963-1967

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	27-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.6	1.3	.0	.0	.0	.0	3.9	1.1	. 2	.0	.0	.0	.0	1.3
1-2	.0	5.5	.0	.0	.0	.0	5.5	.0	2.4	.0	.0	.0	.0	2.4
3-4	.0	.7	.0	.0	.0	.0	.7	.0	. 2	. 9	.0	.0	.0	1.1
5-6	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	• 0	.0	.0	.0	:0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
17-19	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25-32	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0
TOT PCT	2.6	7.5	.0	.0	• 0	.0	10.1	1.1	2.9	.9	.0	.0	.0	4.8
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22.33	34-47	48+	PCT
<1	.7	1.5	.0	.0	.0	.0	2.2	.9	. 9	.0	.0	.0	.0	1.8
1-2	.0	. 7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	. 9	.0	.0	.0	. 9	.0	. 2	.0	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	. 5	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	v O	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16														.0
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22 23-25 26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22 23-25 26-32 23-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0000	.0
20-22 23-25 26-32 23-40 41-48	.0	.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	000000
20-22 23-25 26-32 23-40 41-48 49-60	.0	.00000000000000000000000000000000000000	.0	.0	.0	.0	.0	.0	.00000	.0	.00	.0	.00000	00000000
20-22 23-25 26-32 23-40 41-48 49-60 61-70	.0	.000000000	.0	.0	.0	.00.00	.0	.0	.00000000000000000000000000000000000000	.00	.00000000000000000000000000000000000000	.0	.0000000	000000000
20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	.0	.00	.0	.0	.0	.0	.0	.00	.00000000000000000000000000000000000000	.00	.00	.0	.0	0000000000
20-22 23-25 26-32 23-40 41-48 49-60 61-70	.0	.000000000	.0	.0	.0	.00.00	.0	.0	.00000000000000000000000000000000000000	.00	.00000000000000000000000000000000000000	.0	.0000000	000000000

		NOVEME
PERIOD: (DVER-ALL)	1963-1967	

MBER TABLE 18 (CONT)

AREA 0022 CAPE TALBOT 12.85 126.56

				PC	T FREO	DF WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS S	EA HEIG	HTS (FT)			
												• • •				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	. 9	.0	.0	.0	.0	.9		.0	2.0	.0	.0	.0	.0	2.0	
1-2	.0	2.4	.0	.0	.0	.0	2.4		. 2	4.2	.0	.0	.0	.0	4.4	
3-4	.0	.7	.7	.0	.0	.0	1.3		.0	2.9	1.1	.0	.0	.0	3.9	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	1.8	.0	.0	.0	1.8	
7	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	. 0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	. 0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
/3-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.9	.7	.0	.0	.0	4.6		.2	9.0	2.9	.0	.0	.0	12.1	
		,,,	• •				4.0		• •						1	
				W								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	2.9	3.9	.0	.0	.0	.0	6.8		.7	2.4	.0	.0	.0	.0	3.1	
1-2	.7	10.3	1.8	.0	.0	.0	12.7		.0	8.8	1.8	.0	.0	.0	10.5	
3-4	.0	8.3	6.8	.0	.0	.0	15.1		.0	2.0	2.9	.0	.0	.0	4.8	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	. 0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	,0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	•0	•0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.5	22.6	8.6	.0	.0	•0	34.6		.7	13.2	4.6	.0	.0	.0	18.4	90.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	18.4	13.2	.0	.0	.0	.0	31.6	DBS
1-2	.9	34.2	3.5	.0	.0	.0	38.6	
3-4	.0	14.9	13.2	.0	.0	.0	28.1	
5-6	.0	.0	1.8	.0	.0	.0	1.8	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								114
TOT PCT	19.3	62.3	18.4	.0	.0	.0	100.0	

PERIND: (DVER-ALL) 1960-1967

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	8.1	35.8	18.7	1.6	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	80	2
6-7	.0	2.4	12.2	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	3
8-9	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
10-11	.0	.0	. 8	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	4
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	16.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	0
TOTAL	30	47	41	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123	2
PCT	24.4	38.2	33.3	3.3	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1916-1972 (OVER-ALL) 1880-1972

TABLE 1

AREA 0022 CAPE TALBOT 12.65 126.4F

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			F	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	PCPN PAST HR	SMOKE		
N NE	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	3.6		96.4
NE	.0	6.6	.0	.0	.0		.0	6.6		6.6			.0		86.9
E	.0	6.0	.0	.0	• 0		.0	6.0	.0	.0	.0	.0	.0		94.0
SE	.0	11.1	.0	.0	.0	.0	.0	11.1	.0	.0	11.1	.0	.0	.0	77.8
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	2.2	.0	.0	.0	.0	.0	2.2	.0	4.9	2.2	.0	.0	.0	90.7
W	3.1	1.6	.0	.0	.0	.0	.0	4.7	.0	5.5	.0	.0	1.6	.0	88.2
NW	.0	.0	.0	.0	.0		.0	.0	.0	9.5	2.9	.0	1.5		86.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	• 0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	83.3
TOT PCT	221	2.3	.0	.0	.0	.0	.0	3.2	•0	5.4	1.4	.0	.9	.0	89.1

TARIE 2

PERCENT FREDUENCY OF WEATHER OCCURRENCE BY HOUR

													•		
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	.0 .0 4.3	2.9 6.3 .0	.0	.0	.0	.0	.0	2.9 6.3 .0 4.3	.0	.0 .0 11.8 10.9	2.9 4.2 1.3	.0	2.0	.0	94.2 89.6 84.2 84.8
TOT PCT	.8	2.1	.0	.0	.0	.0	.0	2.9	.0	5.9	2.1	.0	.8	.0	88.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				. 6	E	. WE ADE							5011					
		WI	IN SPE	ED (KN	DTSI								HOUR	(GMT)				
WND DIR	0-3			22-33		48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N	.4	4.8	.6	.0	.0	.0		5.8	7.0	2.4	.0	16.1	.0	12.1	5.3	2.4	.5	,
NE	1.8	4.2	.4	.0	.0	.0		6.4	6.0	2.9	6.5	11.6	4.8	4.5	5.3	12.9	6.3	
E	1.8	4.6	.6	• 0		.0		7.0	6.0	2.9	19.6	.0	19.0	3.6	13.2	8.9	. 0	
SE	1.0	3.0	. 2	.0		.0		4.3	5.0	3.8	4.3	. 9	9.5	5.4	.0	4.0	6.3	
S	1.4	2.7	.6	.0	.0	.0		4.8	5.9	6.7	8.7	6.3	7.1	2.7	2.6	.0	6.3	
SW	3.7	13.2	3.9	.0		.0		20.7	7.8	22.1	28.3	14.3		17.4		20.2	28.1	
W	4.1	19.2	6.5	.6	.0	.0		30.4	8.9	37.5	21.7	21.4	31.0	28.1	35.5	26.6	43.8	
NW	1.2	10.5	3.5	.6		.0		15.8	9.2	12.0				21.0		15.3	9.4	
VAR	.0	.0	.0			.0		.0	.0	.0	.0	.0		.0		.0	. 0	
CALM	4.9	• • •						4.9	.0	9.6		3.6		5.4			. 5	
TOT OBS	50	153	40	3	0	0	246		7.5	52	23	28	21	56	19	31	15	
TOT PCT	20.3	62.2	16.3	1.2	.0	.0		100.0			100.0						100.0	

WND DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL DBS	PCT	MEAN SPD	00	HBU 06 09	R (GMT 12 15	18 21
N	3.2	2.6	.0	.0	.0		5.8	7.0	1.7	9.2	10.3	1.6
NE	3.6	2.8	.0	.0	.0		6.4	6.0	4.0	8.7	4.7	10.6
E	4.8	1.8	.0	.0	.0		7.0	6.0	8.0	8.2	6.0	5.9
E SE	3.7	.6	.0	.0	.0		4.3	5.0	4.0	4.6	4.0	4.8
5	2.9	1.8	.0	.0	.0		4.8	5.9	7.3	6.6	2.7	2.1
SW	8.8	10.1	1.0	.0	.0		20.7	7.8	24.0	18.4	17.7	22.9
W	10.2	16.7	3.6	.0	.0		30.4	8.9	32.7	25.5	30.0	32.4
NW	5.2	8 . 2	2.3	.0	.0		15.8	9.2	11.7	16.8	20.7	13.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.9						4.9	• 0	6.7	2.0	4.0	6.4
TOT DAS	116	110	20	0	0	246		7.5	75	49	75	47
TOT PCT	47.2	44.7	8.1	• 0	.0		100.0		100.0	100.0	100.0	100.0

Đ	-	-	u	c	0

PERIOD: (PRIMARY) 1916-1972 (DVER-ALL) 1880-1972

TABLE 4

AREA 0022 CAPE TALBUT 12.65 126.4E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	41MD	3. 5. 5	KNOTS) 34-47	48+	MEAN	PCT	TOTAL
00803	6.7	21.3	49.3	21.3	1.3	.0	.0	7.5	100.0	75
					2.0	.0	. 0	7.7	100.0	49
00200	2.0	10.2	73.5	12.2			.0		100.0	75
12615	4.0	16.0	64.0	16.0	.0	.0				
18621	6.4	10.6	68.1	12.8	2.1	.0	.0	7.5	100.0	47
					2	0	0	7.5		246
TOT	12	38	153	40	,					
DOT	4 9	15 4	62 2	16 2	1.2	.0	.0		100.0	

P	CT FRE			LOUD A		EIGHTHS)										RECTIO		
WND DIR	0-2	3-4	5-7	8 6 08500	TOTAL DBS	MEAN CLOUD CDVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH C5/8 ANY HGT	TOTAL
N	4.0	4.0	1.7	. 0		3.1	.0	.0	.0	.0	.0	.9	.0	.0	.0	0	9.7	
NE			3.4			3.6	.0	• 0	.0	.0	.0	1.1	.0	• 0	.0	.0	6.0	
N.	2.3	1.4				3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	
E	2.0	.0	1.1	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
SE	. 3	.0	. 3	• **		4.0			.0	.0	1.1	.0	.0	.0	.0	.0	2.0	
S	.0	.0	3.1	. 0		5.2	.0	.0						.0	.0	.0	15.6	
5+	2.6	9.4	4.0	1.1		4.0	.0	.0	.0	.0	1.1	.3	.0		.0	.0	23.3	
W	6.3	9.7	9.4	4.3		4.4	.0	.0	.0	1.1	3.1	2.0	.0	.0				
Nie	9.9	5.3	3.1	2.8		3.1	.0	.0	.0	.0	1.4	1.4	.0	.0	.0	.0		
			.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
VAR	.0	• 0					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	
CALM	3.4	2.3	• 0	1.1	• • •	3.5	.0	0	.0	1	6	5	0	0	0	0	76	66
TOT DBS	2.7	29	23	9	88	3.7	0		0	1.1	6.8	5.7	.0	.0	.0	.0	86.4	100.0
TUT PCT	30.7	33.0	26.1	10.2	100.0		.0	• 0	• 0	1.1	0.0		• •	• 0				

CUMULATIVE BOT FRED	OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT	(NH >4/8) AND VSBY (NM)

				VSBY (NM)			
CFILING	• GR	. DR	= DR	= DR	- OR	- DR	- OR	· DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	.0	.0	.0	.0	.0	.0	.0	.0
■ DR >5000	.0	.0	.0	.0	.0	.0	.0	.0
■ DR >3500	.0	.0	.0	.0	.0	.0	.0	.0
• DR >2000	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
- DR >1000	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
- DR >600	12.4	13.5	13.5	13.5	13.5	13.5	13.5	13.5
• DR >300	12.4	13.5	13.5	13.5	13.5	13.5	13.5	13.5
• DR >150	12.4	13.5	13.5	13.5	:3.5	13.5	13.5	13.5
• UK > 0	12.4	13.5	13.5	13.5	13,5	13.5	13.5	13.5
TOTAL	11	12	12	12	12	12	12	12

TOTAL NUMBER OF OBS: 89 PCT FRED NH <5/8: 86.5

TABLE 7A

PERCENTAGE FREG DE LOW CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 085CD 085 10.6 20.2 24.0 18.3 9.6 2.9 4.8 4.8 4.8 .0 104

n				

								DEC	EMBER						
PERIND:	(PRIMARY) 1 (OVER-ALL) 1	916-1972 880-1972						TA	BLF 8				ARE	4 0022	TAL 80
			P	ERCENT						URRENC				E DF	
	VSBY (NM)		N	NE	E	SF	5	SW	W	NW	VAR	ÇALM	PCT	TOTAL	
	<1/2	PCP NO PCP TOT \$.0	.0	.00	.0	.0	.0	.0	.0	.0	.0	.0		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5		
	1<2	PCP NO PCP TOT %	.2	.0	.0	.0	.0	.0	.5	.2	.0	.0	.9		
	2<5	PCP NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT %	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	5<10	NO PCP	.9	2.7 2.7	3.8 4.3	2.9	2.7 2.7	12.0	14.3	4.1	.0	.5	1.8 43.9 45.7		
	10+	PCP NO PCP	5.1	3.7	3.3	.5	2.1	8.1	12.8	10.7	.0	5.0	51.6		
		TOT GBS	5.1	4.2	3.3	1.1	2.1	8.1	13.2	10.7	•0	5.0	52.9	221	
		TOT PCT	6.2	6.9	7.6	4.1	4.9	20.6	28.8	15.5	•0	5.4	100.0		

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBLITY

					WITH V	ARYING	VALUE	S OF V	ISTRIC	ITY				
VSBY (NM)	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10	.0	•0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	. 5	.0		.5		
	11-21	.0	• 0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT \$.0	•0	.0	.0	.0	.0	.0	.5	.0	.0	.5		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10	.2	.0	.0	.0	.0	.0	.5	. 2	.0		. 9		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	. 2	• 0	.0	.0	.0	.0	.5	. 2	.0	.0	.9		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	0-3	.5	1.6	1.6	1.1	1.1	2.9	2.3	.7	.0	.5	12.2		
5<10	4-10	.5	.7	2.3	1.8	.9	8.6	10.4	2.3	.0		27.6		
	11-21	.0	. 5	. 5	.0	.7	.7	2.5	1.1	.0		5.9		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.9	2.7	4.3	2.9	2.7	12.4	15.2	4.1	.0	.5	45.7		
	0-3	.0	.5	.5	.0	.5	.9	1.1	.7	.0	5.0	9.0		
10+	4-10	4.4	3.7	2.8	1.1	1.7	4.3	8.9	7.8	.0		34.8		
	11-21	.7	.0	.0	.0	.0	2.9	3.2	1.8	.0		8.6		
	22+	.0	.0	.0	.0	.0	.0	.0	.5	.0		.5		
	TOT %	5.1	4.2	3.3	1.1	2.1	8.1	13.2	10.7	.0	5.0	52.9		
	DT DES												221	
7	OT PCT	6.2	6.9	7.6	4.1	4.9	20.6	28.8	15.5	.0	5.4	100.0		

DECEMBER

PERIOD:	(PRIMARY) (DVER-ALL)	1916-1972 1880-1972

TABLE 10

AREA 0022 CAPE TALBUT 12.65 126.4E

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
60300	•0	.0	.0	.0	8.0	4.0	.0	.0	.0	.0	12.0	88.0	25	
06809	.0	.0	.0	.0	.0	8.7	.0	.0	.0	.0	8.7	91.3	23	
12815	.0	.0	.0	.0	7.4	3.7	.0	.0	.0	.0	11.1	88.9	27	
18621	.0	.0	.0	4.3	8.7	4.3	.0	.0	.0	.0	17.4	82.6	23	
PCT	.0	.0	.0	1.0	6.1	5.1	.0	.0	.0	.0	12.2	86 87.8	98 100.0	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00203	.0	.0	.0	.0	55.1	44.9	69	00603	.0	.0	.0	12.0	88.0	25
90300	.0	2.1	•0	.0	37.5	60.4	48	06809	.0	.0	.0	8.7	91.3	23
12615	.0	.0	2.6	•0	48.7	48.7	76	12615	.0	.0	.0	13.0	87.0	23
18621	.0	2.2	• 0	.0	41.3	56.5	46	18621	.0	.0	5.6	16.7	77.8	18
PCT	.0	.8	.8	.0	112	123 51.5	239 100.0	TOT	.0	.0	1.1	11	77 86.5	89 100.0

TABLE 13

TABLE 14

	PERCE	NT FRE	ONENC	DF RE	ELATIVE	HUMI	ITY B		TOTAL	PCT		PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTIO	N BY TE	MP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	085	FREG	N	NE	E	SE	5	SW		NW	VAR	CALM
95/99	.0	.0	. 5	. 5	.5	.0	.0	.0	3	1.6	.0	.0	.0	.0	. 0	.5	1.1	.0	.0	.0
90/94	.0	.0	.0	. 5	1.6	1.6	.0	.0	7	3.8	.0	. 5	. 5	.0	. 5	. 5	.5	1.1	.0	. 0
65/89	.0	.0	.0	. 5	4.9	25.4	25.8	. 5	106	58.2	4.7	5.9	4.5	3.3	2.9	9.1	12.9	10.0	.0	4.9
80/84	.0	.0	.0	.0	1.1	5.5	28.6	1.1	66	36.3	2.6	. 5	2.5	1.4	. 8	7.1	12.0	7.7	.0	1.6
TOTAL	0	0	1	3	15	61	99	3	182	100.0										
PCT	.0	.0	.5	1.6	8.2	33.5	54.4	1.6	-		7.3	7.0	7.6	4.7	4.3	17.3	26.5	18.8	.0	6.6

TAPLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR											PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOU	R
HOUR (GMT)	MAX	99%	95%	50%	54	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOT
£0300	95	94	99	86 87	82	77	77	85.6	80	00603	.0	3.5	8.8	33.3	49.1	5.3	78	5
		95				80	80	87.3	52	06809	• 0	7.5	25.0	37.5	30.0	.0	74	41
12615	88	87	87	85	82	76	76	84.4	81	12615	.0	.0	4.8	33.9	58.1	3.2	80	6
18521	87	8.5	86	84	82	77	77	83.7	50	18621	.0	.0	.0	34.2	60.5	5.3	82	31
TOT	97	92	89	85	82	77	76	85.2	263	TOT	0	5	18	68	99	7	78	19

DECEMBER

PERIOD: (PRIMARY) 1916-1972 (OVER-ALL) 1880-1972

TABLE 17

AREA 0022 CAPE TALBUT 12.65 126.4E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR~SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	77	81	8.5	89	>92	TOT	W	WO
TMP DIF	30	84	88	92			FOG	FDG
11/13	.0	.0	.0	.0	.5	1	.0	.5
9/10	.0	.0	.0	.0	. 5	1	.0	. 5
7/8	.0	.0	.0	. 5	.0	1	.0	. 5
	.0	.0	.0	.5	.0	1	.0	.5
5	.0	.0	1.0	.0	.0	2	.0	1.0
4	.0	.5	.5	1.5	.0	2 5	.0	2.5
3	.0	1.0	3.0	1.0	.0	10	. 5	4.5
2	.0	.5	6.1	1.0	.0	15	.5	7.1
6 5 4 3 2 1 0	.0	5.1	11.1	1.5	.0	35	.0	17.7
ò	. 0	5,1	11.1	.0	.0	32	. 5	15.7
-1	.0	9.1	8.6	.0	.0	35	. 5	17.2
-2	.5	7.1	6.1	.0	.0	27	.0	13.6
-2 -3	.0	7.1	4.5	.0	.0	23	.0	11.6
-4	.5		2.0	.0	.0	8	.0	4.0
		1.5			.0			
-5	.5	.0	.0	.0	.0	1	.0	.5
-7/-8	.0	. 5	.0	.0	.0	1	.0	. 5
TOTAL	3		107		2		4	194
		74		12		198		
PCT	1.5	37.4	54.0	6.1	1.0	100.0	2.0	98.0

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.3	.0	.0	.0	.0	2.3	.0	1.6	.0	.0	.0	.0	1.6
1-5	.0	6.6	1.0	.0	.0	.0	7.6	.0	2.6	.0	.0	.0	.0	2.6
3-4	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
9-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TUT PCT	.0	8.9	2.0	.0	.0	.0	10.9	.0	4.3	.0	.0	.0	.0	4.3
HGT	1-3	4-10	11-21	E 27-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	• 0	.0	1.3	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.6	.0	.0	.0	.0	2.6	.0	. 3	.0	.0	. 0	.0	.3
3-4	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
B7+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

n	F	r	2	M	£	í

									DECEME	BER							
PERIOD:	COVE	R-ALL)	1963-1	972										AREA	0022		
								TABLE	18 (0	LUNII					12.	65 126	. 4E
				PC	T FREQ	DF WIND	SPEED	(KTS)	AND I	DIREC	TION V	EPSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	1.3	1.3		.0	.0	.0	2.6			1.3	1.3		.0	.0	.0	2.6	
1-2		1.0	.0	.0	.0	.0	1.0			.0	3.0	.0	.0	.0	.0	3.0	
3-4	.0	.0	.0	.0	.0	.0	.0			.0	2.6	5.6	.0	.0	.0	8.2	
5-6	.0	.0	.0	.0	.0	.0	.0			.0	.0	1.6	.0	.0	.0	1.6	
7	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	• 0	.0			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	:0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.3	2.3	.0	.0	.0	.0	3.6		1	1.3	0.9	7.2	.0	.0	.0	15.5	
				w									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		,	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
1-2	1.3	3.3	.0	.0	.0	•0	4.6			.0	10.5	3.0	.0	.0	.0	13.5	
3-4	.0	11.5	6.9	.0	.0	.0	12.8			.0	10.0	3.3	1.3	.0	.0	3.6	
5-6	.0	.0	1.0	.0	.0	.0	1.0			.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	• 0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	•0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86 87+	.0	.0	.0	.0	• 0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TUT PCT	2.6	18.8	7.9	.0	•0	.0	29.3			.0	15.1	3.3	1.3	.0	.0	21.7	89.5
		10.0	,		•0	•0	24.5			• 0		3.3	1.3	. 0	.0	21.	09.5

	WIND	SPEED	(KT5)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TUT
<1	14.5	15.8	.0	.0	.0	.0	30.3	
1-2	1.3	38.2	3.9	.0	.0	.0	43.4	
3-4	.0	6.6	15.8	1.3	.0	.0	23.7	
5-6	.0	.0	2.6	.0	.0	.0	2.6	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	

.0 TOT PCT 15.8 60.5 22.4

PERIOD: (DVER-ALL) 1965-1972

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 12 13-16 17-19 20-22 23-25 26-32 33-40

.0 .0 .0 .0 .0 .0 .0 .0 .0

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.0 .0 .0 .0 .0 .0 .0 .0

.0 .0 .0 .0 .0 .0 .0 .0

.0 .0 .0 .0 .0 .0 .0 .0 PERIOD (SEC) (6 6-7 8-9 10-11 12-13 >13 INDET 10TAL PCT 8-9 10-11 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 49-60 61-70 71-86 .0 7 .00.00.00.00.00 87+ .0 .0 .0 .0 14.3 .0 .0 .0 .0 .0 14.3 22 28.6 1-2 40.3 .0 .0 .0 .0 .0 1.3 32 41.6 3-4 22.1 2.6 .0 .0 .0 .0 1.3 20 26.0 3.9 .0 .0 .0 .0 .0 TOTAL 62 2 0 0 0 13 77 100.0 .000000000

	 66	K 1	

PERIDD:	(PRIMARY)	1890-1973
	INVER-ALLS	1059-1072

TABLE 1

AREA 0022 CAPE TALBUT 13.0\$ 126.48

				DECHERENCE	0.4	WIND	DIRECTION
PERCENT	PREDLENCY	D.E.	WEATHER	UCCURRENCE	M Y	WIND	DIRECTION

			P	RECIPI	TATIO	TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N ME	1.7	1.3	.5	.0	.0	.0	.0	3.4	.8	3.9	5.0	.0	5.1	.0	81.3
ME	2.5	2.2	. 9	.0	.0	.0	.0	5.7	. 3	4.3	3.5	.0	5.0	.0	80.8
	3.5	4.1	. 3	.0	.0	.0	.0	8.0	.7	2.4	3.2	.0	3.6	.0	82.3
SE	6.7	4.1	1.9	.0	.0	.0	.0	12.7	.6	3.0	4.7	.0	3.0	. 0	78.2
5	2.6	2.4	.0	.0	.0	.0	.0	5.0	. 4	4.2	2.4	.0	2.8	.0	85.6
Sw	1.7	1.6	. 2	.0	.0	.0	.0	3.5	.0	5.5	2.0	.0	2.9	.0	85.9
w	1.9	2.6	.0	.0	.0	.0	.0	4.5	.2	5.8	5.4	.0	4.1	.0	80.5
NW	2.1	2.3	.0	.0	.0	.0	.0	4.4	.1	5.9	3.3	.0	3.1	.0	83.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4	.0	.0	.0	.0	.0	.0	.4	.0	3.8	. 2	.0	5.7	.0	90.0
TOT PCT	2.2	2.1	. 3	.0	•0	.0	.0	4.6	.3	4.6	3.2	.0	4.0	.0	83.7

TABLE 2

PERCENT FREQUENCY OF WEATHER DECURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG WO PCPN	FOG WO PCPN PAST HP	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	2.2 1.2 2.2 3.2	3.0 1.7 1.6 2.0	.4	.0	.0	.0	.0 .0 .0	5.6 3.1 4.1 5.8	.2 .4 .3	1.0 .3 8.1 8.9	4.2 3.2 3.0 3.0	.0	3.8 4.6 4.4 3.1	.0	85.4 88.6 80.5 79.8
TOT PCT TOT OBS:	5281	2.1	.3	.0	•0	.0	•	4.7	.3	4.7	3.4	.0	4.0	.0	83.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		w 11	un spe	ED (KN	nTSI								HOUR	(GMT)			
WND DIR	0-3				34-47	48+	TOTAL	PCT FREQ	SPD	00	03	06	09	12	15	18	21
N	1.7	3.8	1.1	.1	.0	.0		6.7	6.6	3.8	6,2		8.5		6.3	4.6	4.1
NE	2.1	6.0	1.9	• 1		.0		10.0	7.5	6.0	9.8	12.1			13.1	7.4	8.8
E	2.4	9.1	4.3	.4		.0		16.2	8.2	14.2	20.2	18.2	20.1	15.0	16.8	10.8	16.5
SE	2.3	7.0	3.0	. 3		.0		12.7	7.8	16.6	16.6	11.4	10.6	9.9	9.7	12.4	12.5
	2.4	4.6	.7			.0		7.7	6.0	13.6	9.7	6.0	5.8	4.0	7.4	6.6	7.8
Sw	3.2	7.8	1.7	. 2		.0		13.0	6.5	16.8	13.3	8.9	12.0		10.7	13.9	14.3
3"	3.3	10.3	3.9	.3	.0	.0		17.8	6.7	16.9	12.6	13.9		19.4	21.2	19.4	22.9
NW	2.0	6.2	1.6	.3	.0	.0		10.2	6.5	6.9	8.4	12.0		13.0		9.4	10.3
VAR		.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0
	0	.0	• ()	.0	.0	.0		5.7	.0	5.1	3.1	6.1	2.4		3.3	15.6	2.8
TOT UBS	5.7						5208	2.1	7.2	939	691	497	450	1065	584	541	
TOT PCT	25.2	54.7	18.2	1.8	. 1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT FREQ	MEAN SPD	00	06 09	12 15	18
N	3.8	2.6	.3		.0		6.7	6.6	4.8	9.6	8.3	4.3
NE	5.0	4.3	.7	. 1	.0		10.0	7.5	7.5	13.0	11.9	7.9
	6.4	8 . 1	1.6	.1	.0		16.2	8.2	16.7	18.9	15.7	13.5
SE	6.1	5.3	1.2	.1			12.7	7.8	16.6	10.8	9.9	12.7
•	5.0	2.6	. 1		.0		7.7	6.0	11.9	5.8	5.1	7.3
SW	7.4	4.9	.6	.0	.0		13.0	6.5	15.3	11.0	11.1	14.2
w	8.0	8.7	1.1		.0		17.8	6.7	15,2	15.1	20.1	21.2
NW	5.5	3.8	. 8		.0		10.2	6.5	7.6	11.4	12.4	9.5
VAR	.0	.0	.8	.0	.0		.0	.0	.0	.0	.0	.0
CALM TOT DBS	5.7					5208	5.7	7:2	1630	947	1649	9.6
TOT PCT	93.0	40.3	6.4	.3		2200	100.0	1.2	100.0	100.0	100.0	100.0

A		 ٠	

PERIOD: (PRIMARY) 1890-1973 (OVER-ALL) 1858-1973

AREA 0022 CAPE TALBUT 13.05 126.4E

-1973
TABLE 4
PERCENTAGE FREQUENCY OF WIND SPEED BY MOUR (GMT)

HOUR	CALM	1-3	4-10	NIND 11-21		34-47	48+	MEAN	PCT FREQ	TOTAL
00803	4.4	21.0	54.2	17.6	2.3	.0	.0		100.0	1630
90300	4.4	18.0	54.4	21.3	1.9	.0	.0	7.7	100.0	947
12615	5.4	19.0	56.8	17.7	1.0	.1	.0	7.0	100.0	1649
18621	9.6	18.0	52.4	17.3	2.4	. 2	.0	7.1	100.0	982
TOT								7.2		5208
PCT	5.7	19 4	54 7	10 2	1 8	. 1	. 0		100.0	

TABLE 5

P	CT FRE					EIGHTHS)							CEILIN					
		В	A MINE	DIRFC	TION					AND DC	CURREN	CE OF	NH <5/	8 BY W	IND D	RECTIO	JN .	
						MEAN												
WHIT DIR	0-2	3-4	5-7	3 8	TOTAL	CLGUD	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH (5/8	TOTAL
				Dasch	nas	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	DBS
N	3.4	1.1	1.1	.9		2,4		.0	.0	. 4	.4	.1	.0	.0	.0	. 1	5.6	
NE	4.8	1.3	1.4	. 7		2.6	.0	.0	.0	. 3	. 5	. 2	. 1	.0	.0		7.1	
E	10.0	1.3	2.2	1.3		2.9	.0	.0	.0	. 4	.7	. 6	.1	.0	.1	. 6	12.3	
SF	7.9	1.6	1.0	1.0		2.8	.0	.0	.0	. 2	. 7	. 3	.1	.0	.1	. 2	10.0	
S	3.9	1.1	1.0	.5		2.9	.0	.0	.0	.0	.3	. 2	.0	.0	.0	. 1	5.9	
SW	7.3	2.6	1.9	. 9		2.3	.0	.0	.0	.0	. 5	. 4	. 1	.0	.1		11.6	
W	9.6	2.8	3.5	2.1		2.1	.0	.0	. 1	. 4	1.4	. 8	. 1	.0	.0	.3	15.0	
NW	6.0	1.8	1.3	1.2		2.0		.0	. 1	. 3	.7	. 3	.1	.0	.0		9.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	8.9	1.1	.9	.6		1.7	.0	.0	.0	.0	.1	.1	.0	•0	.1	. 2	10.9	
TOT DES		1.1		.0	1449	2.4	• 0	• 0	• 0	•	• • •	•••		• 17	• •	,.		1449
TUT PCT	61.8	14.7	14.3	9.2	100.0		.1	.0	• 1	1.9	5.4	2.9	.6	.0	.3	1.5	87.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF CEILING HEIGHT	OF (NH	SIMULT >4/8)	ANEDU	\ \ \	BCC	URRENCE (NM)
D. 02.2.110						1000 00

				VSBY (NM)			
CEILING	• OR	• DR	= DR	= DR	= DR	- DR	- DR	- DR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
- DR >5000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
■ DR >3500	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3
■ DR >2000	4.8	5.1	5.2	5.2	5.2	5.2	5.2	5.2
■ DR >1000	9.1	10.2	10.6	10.6	10.0	10.6	10.6	10.6
= DR >600	10.0	11.8	12.4	12.6	12.6	12.6	12.6	12.6
■ DR >300	10.2	11.9	12.6	12.7	12.7	12.7	12.7	12.7
■ DR >150	10.2	11.9	12.6	12.7	12.7	12.7	12.7	12.7
• DR > 0	10.2	11.9	12.6	12.7	12.7	12.7	12.7	12.7

TOTAL NUMBER UF DBS: 1464 PCT FREO NH <5/81 87.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (FIGHTHS)

O 1 2 3 4 5 6 7 8 085CD 085 38.0 21.4 13.1 6.5 5.2 2.8 2.5 2.0 6.3 .1 1607

	N		

							AN	NUAL							
PERIOD: (PRIMARY) 1 (DVER-ALL) 1							***	BLE 8				ARE	4 0022		
IDVER-ALL) I	856-1973						1 4	are a					1	3.05	126.4
		PE	RCENT	PREC	F WIN	DIRE	TH VAR	VS DCC	URRENCI	E DR N	IBILIT	URRENC Y	E OF		
VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL		
	PCP		.0	.0	.0	.0	.0	.0		.0	.0				
<1/2	NO PCP	.0	. 0			.0	.0	.0	.0	.0	.0	*			
	TOT %		• 0			.0	.0	.0	*	.0	.0	. 1			
	PCP		.0					.0		.0	.0	. 1			
1/2<1	NO PCP	.3	.0	.2	. 3	. 2	.2	.2	.3	.0	.0	2.0			
	TOT %	. 3	. 2	. 2	.3	.?	. 2	. 2	. 4	.0	.0	2.1			
	PCP	.0	. 1					.0	.0	.0	.0	. 2			
1<2	NO PCP	. 4	. 3	. 4	.3	.2	.3	.4	. 3	.0	.1	2.7			
	TOT %	.4	.4	. 4	. 4	. 3	.3	.4	.3	.0	.1	2.9			
	PCP	• 0	• 1	. 1	.1	.0			. 1	.0	.0	.2			
2<5	NO PCP	*								.0	*	. 2			
	TOT %	•	• 1	.1	. 1	.0	• 1	. 1	. 2	.0		.7			
	PCP	• 2	.4	.6	.4	. ?	.4	.6	.4	.0		3.3			
5<10	NO PCP	2.9	5.3	8.3	7.2	4.0	6.6	8.6	4.3	.0	1.3	48.5			
	TOT %	3.1	5.7	9.0	7.6	4.2	7.0	9.2	4.7	.0	1.3	51.9			
	PCP		• 1	.1	. ?			. 1		.0	.0	6			
10+	NO PCP	2.7	3.3	6.1	4.2	3.0	5.6	7.7	4.9	.0	4.2	41.8			
	TOT %	2.8	3.4	6.2	4.4	3.1	5.6	7.9	4.9	.0	4.2	42.4			

TOT 085 TOT PCT 6.6 9.9 16.0 12.7 7.7 13.3 17.8 10.5 .0 5.6 100.0

TABLE 9

VSBY (NM)	SPD	N	NE	E	2 E	S	SW		NW	VAR	CALM	PCT	TUTAL
(MM)	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	003
<1/2	4-10	.0	.0		.0	.0	.0	.0	.0	.0			
	11-21	.0	.0			.0	.0	.0	.0	.0			
	22+		.0	.0	.0	.0	.0	.0		.0			
	TOT %		.0			.0	.0	.0	•	.0	.0	.1	
	0-3	.2	.1	.1	.1	. 1	.1	.1	.1	.0	.0	1.0	
1/2<1	4-10	. 1	. 1	. 1	.1	. 1	.1	. 1	. 2	.0		. 9	
	11-21						.0			.0		. 2	
	22+	.0	.0		.0	.0	.0	.0	.0	.0			
	TOT %	.3	• 2	. 3	. 3	. 2	. 2	. 2	.4	.0	.0	2.1	
	0-3	.1	.1	.1		.1		.1	.1	.0	.1	.6	
1<2	4-10	. 3	. 3	. 2	. 1	. 1	. 3	. 2	. 2	.0		1.6	
	11-21		• 1	. 2	.2		*	. 1	•	.0		:7	
	22+	.0	.0			.0	.0	.0	.0	.0		.1	
	TOT %	.4	.4	.4	.4	. 3	. 3	.4	. 3	.0	.1	2.9	
	0-3	.0	.0	.0		.0			.0	.0		.1	
2<5	4-10	.0			.0	.0	:	:0	.0	.0		.1	
	11-21		• 1	.1	.1	.0		.0	- 1	.0		.4	
	22+ TOT %		.2	.0	.0	.0	. 1	.1	.1	.0		.2	
	101 %	•	• 2	.1	.1	.0	• • •	•••		.0	•	. 0	
	0-3	1.0	1.4	1.2	1.6	1.5	2.0	2.2	1.3	.0	1.3	13.5	
5<10	4-10	1.6	3.3	5.4	4.4	2.4	4.0	5.2	2.7	.0		29.0	
	11-21	.5	.9	2.1	1.4	. 4	. 8	1.6	. 6	.0		8.3	
	22+	. 1	. 1	. 3	.1		. 1	. 2	. 1	.0		1.0	
	TOT %	3.1	5.7	8.9	7.5	4.2	7.0	9.2	4.7	.0	1.3	51.8	
	0-3	.4	.5	1.0	.6	.7	1.0	. 8	.5	.0	4.2	9.6	
10+	4-10	1.8	2.2	3.4	2.3	2.0	3.6	4.8	3.3	.0		23.4	
	11-21	.5	.7	1.7	1.3	. 3	.9	2.2	1.0	.0		8.6	
	22+			• 1	.2		. 1	.1	.1	.0		.7	
	TOT %	2.8	3.4	6.2	4.4	3.1	5.6	7.9	4.9	.0	4.2	42.3	
I	OT OPS	6.6			nab u	7.7	13.3	17.6	10.5				4908
			9.9	16.0	12.7					.0		100.0	

									ANNL	AL					
PERIOD	: (PKIMARY) (DVER-ALL								TABLE	10			AF		CAPE TALBUT
					PER	CENT F		CURREN					>4/8) 4	ND	
		HOUR (GMT)	000 149	150 299	300 599	600	1000	2000	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
		00803	.0	.0	•0	2.7	6.2	3.4	.6	.0	3	1.1	14.3	85.7	358
		05609	.0	.0	•0	1.9	5.5	2.2	.8	.0	.3	1.2	11.9	88.1	357

.0 .0 .2 2.2 4.8 2.5 .0 .0

18621 .2 .0 .2 .8 4.5 2.6

12615

TOT PCT

				TABLE 1	1						TABLE	12		
		PERCENT	FREQUEN			BY HOUR		CUMULAT			DF RAN	GES OF	VSBY (NM)	AND/DR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	. 1	2.9	3.1	.3	57.9	35.7	1619	00803	.0	.0	3.3	11.4	85.2	335
90360	.0	2.5	2.6	. 8	48.0	46.0	964	06609	.0	.0	2.2	10.0	87.8	339
12615		1.9	3.8	. 9	55.1	38.4	1695	12815	• 0	.2	2.9	10.1	87.0	419
18621	.1	2.0	2.3	.9	46.5	48.2	1011	18821	.2	.5	2.8	10.0	87.2	371
TOT PCT	. 1	2.4	3.1	.7	52.9	40.9	5289 100.0	101 PCT	. 1	.2	2.7	10.2	87.0	1464

.1 .0 .1 1.8 5.2 2.7 .6 .0 .3 1.4 12.1

.0 2.1 11.8

.6 1.2 11.2

88.2 454

88.8 405

87.9 100.0

				т	ABLE 1	3									TABL	E 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y DF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	. 1			.0	.0	.0		. 2	.0	.0	.0	.0	.0		.1	.0	.0	
90/94	.0			.3	. 5	. 3	.1			1.4	.1	. 2	. 2	• 1	. 2	.1	. 1	. 2	.0	. 1
85/89	*		.2	1.0	3.4	10.3	6.7	.4		22.1	1.9	2.3	2.8	1.7	1.4	2.4	4.8	2.8	.0	2.0
80/84	.0	.2	1.2	2.7	5.7	14.0	21.7	3.8		49.3	3.4	3.5	7.9	5.9	3.2	6.4	9.4	6.3	.0	3.5
75/79	.0	.1	1.2	3.4	4.2	7.5	4.5	2.4		23.3	1.0	1.3	6.2	5.7	2.1	2.1	2.2	1.4	.0	1.4
70/74	.0	.0	.3	1.4	. 8	.4	.4	.1		3.4	.1	. 2	1.0	1.3	. 3	.3	. 1		.0	. 2
65/69	.0	.0	*	. 1			*	.0		.3	.0	.0	. 1	.1	.0	.0		.0	.0	.0
60/64	.0	.0	.0		.0	.0	.0	.0		*	.0	.0	.0	.0	.0	.0		.0	.0	.0
TOTAL									2872	100.0										
PCT	*	. 4	3.1	9.1	14.7	32.6	33.4	6.8			6.4	7.4	18.2	14.8	7.1	11.3	16.7	10.8	.0	7.2

TOTAL				200					2872 100.0			ares on	19780	_				
PCT		٠.	4 3.	1 9.1	14.7	32.6	33.	4 6.	В	6.4	1.4	18.2	14.8	7.1	11.3 1	6.7 10.	.8 .1	0 7.2
				TAR	LE 15									TABLE	16			
	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TEM	P (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF REL	ATIVE H	YTICIMU	BY 400	R
HOUR (GMT)	мдх	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	95	89	87	82	77	74	62	81.3	1732	00603	.1	14.0	15.0	32.5	32.4	6.1	74	875
00300	97	90	86	83	79	76	72	82.7	978	90300	.0	17.5	21.8	34.5	22.9	3.3	71	547
12515	91	86	84	82	78	75	66	80.8	1748	12615	.0	9.0	13.1	33.6	35.8	8.4	76	1030
18621	88	84	83	81	77	74	64	79.9	1035	18821	.0	9.5	10.8	29.7	39.7	10.3	77	648
TOT	97	89	86	82	77	74	62	81.1	5493	TOT	1	390	467	1033	993	216	75	3100

ANNUAL

PERIOD: (PRIMARY) 1890-1973 (OVER-ALL) 1858-1973

TABLE 17

AREA 0022 CAPE TALBOT 13.05 126.4E

PCT	FREQ OF	AIR	TEMPERATURE	(DEG	F)	AND	THE	DCCURRENCE	OF	FOG	(WITHOUT	PRECIPI	TATION
			110			HDER	ATLINE	P DIEEEDENC	- /				

AIR-SEA	65	59 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	FDG	FOG
11/13	.0	.0	.0	.1	. 1	.1	.0	:1	9	.0	.3
9/10	.0	.0			. 1		.3	.1	20	.0	.6
7/8	.0	.0	. 1	.2	.4	.4	. 3	.0	50		1.4
6	.0	.0		.3	.1	.5	. 3	.0	49		1.3
6	.0		. 1	.2	.3	.7	.2	.0	59	.1	1.5
4	.0	.0	.1	.6	1.0	. 8	. 4	.0	115	. 2	2.8
3 2	.0	.0	. 2	1.1	1.5	1.6	.4	.0	188	. 4	4.4
2	.0		. 4	1.8	3.5	2.6	. 2		338	. 7	7.9
1	.0	.1	. 7	2.8	7.3	3.4	. 2	.0	579	. 8	12.7
1 0 -1	.0	.1	1.1	5.0	9.5	3.6	.0	.0	771	. 9	18.4
-1	.0	. 1	1.3	4.4	7.5	3.2	.0	.0	629	. 5	15.9
-2	*	. 3	1.0	3.5	5.5	2.2		.0	476	. 2	12.4
-3		. 2	. 8	1.8	3.2	1.4	.0	.0	276	. 1	7.4
-4		. 2	. 8	.9	1.5	.3	.0	.0	135		3.6
-5	.0	. 1	.4	.7	1.1		.0	.0	84	.0	2.3
-6	.0	. 1	. 1	.3	.6		.0	.0	34	.0	1.1
-7/-8	.0	. 1	. 1	. 4	.2	.0	.0	.0	27	.0	.7
-9/-10			. 1	.1	.0	.0	.0	.0	8	.0	.3
-11/-13		.0	.0	. 1	.0	.0	.0	.0		.0	.1
TUTAL									3851		
PCT	.1	1.3	7.3	24.5	43.6	20.8	2.2	.2	100.0	4.0	96.0

PERIOD: (DVER-ALL) 1963-1973

TAPLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 24-32 33-40 41-48 49-60 61-70 71-86 87+ 27-33 48+ 1-3 34-47 34-47 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 22 33-25 24-32 33-40 61-70 71-86 87+ TUT PCT -47 1-3 PCT 2.5 2.9 3.2 1.0 .0 .0 .0 .0 .0 .0 .0 .0 1-3

TABLE 18 (CONT)

AREA 0022 CAPE TALBOT 13.05 126.4E

POT	EDEO	ne	STAIR			AND	DIRECTION	VEDSILE			
	CHEN	UF	WIND	SPEED	(KIS)	AND	DIKECTION	A E W 2 0 2	SEAF	FIGHTS	(- 1)

				PC	T FREG C	F WIND	SPEED (F	KTS) AND DIREC	TION V	ERSUS S	EA PEIG	HTS (FT)			
				5							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.7	2.0	.0	.0	• 0	.0	2.7	1.0	2.7	.0	.0	.0	.0	3.8	
1-2	. 2	1.4	.5	.0	• 0	.0	2.1	.2	3.6	. 1	.0	.0	.0	3.9	
3-4	.0	. 4	. 3	.0	.0	.0	.7	.0	2.1	1.7	.0	.0	.0	3.8	
5-6	.0	. 1	. 2	.0	• 0	.0	. 3	.0	. 1	.6	.0	.0	.0	. 7	
7	.0	.0	. 1	.0	• 0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	. 1	.0	.0	.0	. 1	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.0	3.8	1,2	.0	.0	.0	6.0	1.3	8.5	2.5	.0	.0	.0	12.2	
uc.T	1.3	4-10	11-21	W 22-33	24-47	49.	DCT.	1-3	4-10	11-21	NW 22 22	24-42	60.	DCT	TOTAL
HGT	1-3	4-10	11-21	w 22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.1	3.1	.1	.0	• 0	.0	4.4	. 5	1.3		22-33	.0	.0	1.8	
<1 1-2	1.1	3.1 7.0	1.1	.0	•0	•0	8.7	.5	1.3	.9	.0	.0	.0	1.8	
<1 1-2 3-4	1.1	3.1 7.0 2.3	1.1 3.8	.0	.0	.0	4.4 8.7 6.0	.5	1.3 4.7 .6	.9 1.7	22-33 .0 .0	.0	.0	1.8 5.8 2.4	
<1 1-2 3-4 5-6	1.1 .6 .0	3.1 7.0 2.3	1.1 3.8	.0	.0	.0	4.4 8.7 6.0	.5 .1 .0	1.3 4.7 .6	1.7	22-33	.0	.0	1.8 5.8 2.4	
<1 1-2 3-4 5-6 7	1.1 .6 .0 .0	3.1 7.0 2.3 .2	1.1 3.8 .6	.0	.0	.0	4.4 8.7 6.0 .7	.5	1.3 4.7 .6	1.7 .1	22-33 .0 .0 .1 .3	.0	.0	1.8 5.8 2.4 .4	
<1 1-2 3-4 5-6 7 8-9	1.1 .6 .0 .0	3.1 7.0 2.3 .2 .1	1.1 3.8 .6	.0	.000000	.0	4.4 8.7 6.0 .7 .2	.5 .1 .0 .0	1.3 4.7 .6 .0	1.7 .1	22-33	.00	.0	1.8 5.8 2.4 .4 .1	
<1 1-2 3-4 5-6 7 8-9 10-11	1.1 .6 .0 .0	3.1 7.0 2.3 .2 .1	11.1 3.8 .6 .1	.0	.0	.0	4.4 8.7 6.0 .7 .2 .1	.5 .1 .0 .0	1.3 4.7 .6 .0	1.7 .1	22-33 .0 .0 .1 .3 .1	.0	.0	1.8 5.8 2.4 .4 .1	
<1 1-2 3-4 5-6 7 8-9 10-11 12	1.1 .6 .0 .0 .0	3.1 7.0 2.3 .2 .1 .0	11.1 3.8 .6 .1 .1	.0	.0	.0	4.4 8.7 6.0 .7 .2 .1	.5	1.3	1.7 .1 .0	22-33 .0 .0 .1 .3 .1 .0	.0	.0	1.8 5.8 2.4 .4 .1 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16	1.1	3.1 7.0 2.3 .2 .1 .0	1 1.1 3.8 .6 .1 .1	.0	.0	.0	4.4 8.7 6.0 .7 .2 .1 .0	.5	1.3	.9 1.7 .1 .0 .0	22-33	.0	.00000000000000000000000000000000000000	1.8 5.8 2.4 .4 .1 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19	1.1 .6 .0 .0 .0 .0 .0	3.1 7.0 2.3 .2 .1 .0 .0	1 1.1 3.8 .6 .1 .1 .0 .0	.0	.0	.0	4.4 8.7 6.0 .7 .2 .1 .0	.5	1.3	.9 1.7 .1 *	22-33		.0	1.8 5.8 2.4 .4 .1 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	1.1 .6 .0 .0 .0 .0 .0 .0 .0	3.1 7.0 2.3 .2 .1 .0 .0	1 1.1 3.8 .6 .1 .1 .0 .0	.00000000000000000000000000000000000000	.0	.0	4.4 8.7 6.6 .7 .1 .0 .0	.5	1.3	.9 1.7 .1 *	22-33 .0 .0 .1 .3 .1 .0 .0	.00000000000000000000000000000000000000	.0	1.8 5.8 2.4 .4 .1 .0 .0	
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	1.1	3.1 7.0 2.3 .2 .1 .0 .0	1 1.1 3.8 .6 .1 .1 .0 .0	.00000000000000000000000000000000000000	.0	000000000000000000000000000000000000000	4.4 8.7 6.0 .7 .2 .1 .0 .0	.5	1.3	1.7 1.1 *	22-33	000000000000000000000000000000000000000	.00000000000000000000000000000000000000	1.8 5.8 2.4 .4 .1 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	1.1	3.1 7.0 2.3 .2 .1 .0 .0 .0	1 1 1 3 .8 .6 .6 .1 1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	000000000000000000000000000000000000000	.0	000000000000000000000000000000000000000	4.4 8.7 6.6 7 .2 .1 .0 .0	.5	1.3	* 99 1.77 1.1 * 00 00 00 00 00 00 00 00 00 00 00 00 00	22-33	000000000000000000000000000000000000000	.00000000000000000000000000000000000000	1.8 5.8 2.4 .4 .1 .0 .0 .0	
1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	0.0000000000000000000000000000000000000	3.1 7.0 2.3 .2 .1 .0 .0 .0	111 3.8 .6 .1 .1 .0 .0 .0		.00000000000000000000000000000000000000	000000000000000000000000000000000000000	4.4 8.7 6.6 .7 .2 .1 .0 .0	.5	1.3	* .9 1.7 1.1 * .0 .0 .0 .0 .0 .0 .0	22-33	000000000000000000000000000000000000000	.00000000000000000000000000000000000000	1.8 5.8 2.4 .1 .0 .0 .0	
11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48	1.1	3.1 7.0 2.3 .2 .1 .0 .0 .0 .0 .0	.1 1.1 3.8 .6 .1 .1 .0 .0 .0 .0 .0		.00000000000000000000000000000000000000		4.4 8.7 6.0 .7 .2 .1 .0 .0 .0	.5	1.3	* .9 1.7 .1 * .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33	000000000000000000000000000000000000000	.00000000000000000000000000000000000000	1.8 5.8 2.4 .1 .0 .0 .0 .0	
11-2 1-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	1.1	3.1 7.0 2.3 .2 .1 .0 .0 .0 .0	11.1 3.8 .6 .1 .1 .0 .0 .0 .0 .0 .0	000000000000000000000000000000000000000	.00.00.00.00.00.00.00.00.00.00.00		4.4 8.7 6.0 .7 .2 .1 .0 .0 .0	.5	1.3	1.7 1.1 * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33 .0 .0 .1 .3 .1 .0 .0 .0 .0 .0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1.8 5.8 2.4 .1 .0 .0 .0 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	1.1	3.1 7.0 2.3 .2 .1 .0 .0 .0 .0 .0	11.1 3.8 6.1 1.1 0.0 0.0 0.0 0.0 0.0	000000000000000000000000000000000000000			4.4 8.7 6.0 .7 .2 .1 .0 .0 .0 .0 .0	.5 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.3	* .9 1.7 .0 .0 .0 .0 .0 .0 .0	22-33 .0 .0 .1 .3 .1 .0 .0 .0 .0 .0 .0 .0	000000000000000000000000000000000000000		1.8 5.8 2.4 .1 .0 .0 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 23-25 41-48 49-60 61-70 71-86	1.1	3.1 7.0 2.3 .2 .1 .0 .0 .0 .0 .0	11.1 3.88 6.1 1.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0	.00			4.4 8.7 6.0 .7 .2 .1 .0 .0 .0 .0 .0 .0 .0	.5	1.3	* .9 1.7 1.1 * .0 .0 .0 .0 .0 .0 .0 .0	22-33 .0 .0 .1 .3 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	000000000000000000000000000000000000000		1.8 5.8 2.4 .1 .0 .0 .0 .0 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	1.1	3.1 7.0 2.3 .2 .1 .0 .0 .0 .0 .0	11.1 3.8 6.1 1.1 0.0 0.0 0.0 0.0 0.0	000000000000000000000000000000000000000			4.4 8.7 6.0 .7 .2 .1 .0 .0 .0 .0 .0	.5 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.3	* .9 1.7 .0 .0 .0 .0 .0 .0 .0	22-33 .0 .0 .1 .3 .1 .0 .0 .0 .0 .0 .0 .0	000000000000000000000000000000000000000		1.8 5.8 2.4 .1 .0 .0 .0 .0	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	20.3	14.6	.3	.0	.0	.0	35.3	OBS
1-2	1.5	27.6	4.6	.0	.0	.0	33.7	
3-4	.1	7.8	13.9	.3	.0	.0	22.2	
5-6	.0	1.1	4.4	.6	.0	.0	6.0	
7	.0	. 1	1.5	. 6	.0	.0	2.2	
8-9	.0	.0	. 4	.2	.0	.0	.5	
10-11	.0	.0	.0	. 1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1002
TOT PET	21.0	51 3	25.1	1.7	.0	.0	100.0	

PERIOD: (OVER-ALL) 1950-1969

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TUTAL	MEAN
<6	12.7	28.4	15.8	4.4	1.0	. 4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	555	2
6-7	.2	1.5	5.8	3.0	2.6	. 4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	149	4
8-9	.1	. 3	. 9	1.0	. 9	. 2	.0	. 1	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	5
10-11	.0	. 2	1.1	.4	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	4
12-13	.0	.0	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	15.9	.7	.3	.0	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	175	0
TOTAL																				1035	2
PCT	28.9	31.1	25.0	8.9	4.8	1.0	.2	. 1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.5	

PERIOD:	(PRIMARY)	1890-1973
	INVER ALLY	1050-1072

-101- 20

AREA	0022	CAPE	TALBOT
	1	3.05	126 4F

			PERCE	NT FRE	QUENCY	OF DC	CURREN	CE UF	SEA TE	MP (DE	G F) B	Y MONT	н	
SEA TMP DEG F	NAL	FEB	MAR	APR	мдү	JUN	JUL	AUG	SEP	пст	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	0	.0
91/92	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 4	4	.1
89/90	5.9	4.3	3.9	.0	.0	.0	.0	.0	• 0	.0	.6	8.1	51	1.2
87/88	17.6	19.3	13.3	17.8	1.1	. 2	.0	.0	. 2	.0	8.8	18.8	223	5.4
85/86	34.4	15.5	21.7	17.8	10.0	1.2	.6	.0	.9	9.9	47.0	39.5	531	12.8
83/84	24.6	32.9	31.1	32.7	30.1	7.7	1.6	. 5	5.9	18.1	33.5	25.6	704	17.0
81/82	12.5	18.8	19.4	23.6	48.9	34.6	10.2	10.3	30.0	44.4	9.1	5.3	1016	24.5
79/80	3.1	5.3	6.1	7.7	8.0	27.5	16.8	27.6	41.9	23.0	. 9	1.3	717	17.3
77/78	2.0	1.0	.0	. 5	1.1	19.0	23.4	24.2	13.3	4.3	.0	.0	412	9.9
75/76	.0	1.4	4.4	.0	. 5	6.2	28.7	20.B	4.3	.3	.0	.0	293	7.0
73/74	.0	.0	.0	.0	. 2	2.5	11.6	10.0	2.9	.0	.0	.0	125	3.1
71/72	.0	.0	.0	.0	.0	.7	5.4	3.4	. 7	.0	.0	.0	47	1.1
69/70	.0	.0	.0	.0	.0	.5	1.2	2.1	.0	.0	.0	.0	17	. 4
67/68	.0	.0	.0	.0	.0	.0	.6	. 3	.0	.0	.0	.0	4	.1
65/66	.0	.0	.0	. 0	.0	.0	.0	. 8	.0	.0	.0	.0	3	.1
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	. 6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	o	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	Ö	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	o	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	o	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	,0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
							.0	.0					0	
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0		.0
31/32	.0	.0	.0	.0	.0	.0	.0	•0	• 0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	•0	• 0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	380	.0	.0	.0	.0	0	.0
TOTAL	256	207	180	208	438	599	501		444	392	319	223	4147	100.0
MEAN	84.7	84.1	83.7	83.8	82.3	79.6	76.8	77.1	79.7	81.5	84.5	85.3	81.9	

TABLE 21

PRESSURE (MB)

			AV	ERAGE	BY HOU	R (GMT	,			
Mŋ	0000	0300	0500	0900	1200	1500	1800	2100	MEAN	TOTAL
144	1008	1008	1006	3008-		1007	1006	1005	1007	\$3.5
637	1008	1008	1005	1005	13.20	-1008	1007	1008	1001	545
MAR	1008	1007	1006	1006	1008	1007	1007	1006	1007	246
APR	1012	1010	1009	1008	1011	1010	1010	1009	1010	362
MAY	1013	1011	1010	1010	1012	1012	1012	1011	1012	273
JUN	1014	1013	1012	1011	1013	1013	1013	1012	1013	369
JUL	1015	1013	1013	1011	1015	1013	1014	1012	1014	286
AUG	1015	1013	1012	1012	1014	1014	1013	1013	1013	394
SEP	1014	1013	1011	1011	1013	1012	1011	1011	1012	352
CCT	1013	1011	1010	1009	1011	1011	1010	1010	1011	299
NOV	1012	1010	1009	1008	1010	1010	1010	1009	1010	333
DEC	1008	1007	1006	1005	1007	1006	1006	1006	1007	208
ANN	1012	1010	1009	1000	1011	1010	1010	1009	1011	3657
DB5	676	366	440	243	796	377	498	261		

PERCENTILES

Mh	MIN	1*	5%	25%	50%	75%	95%	99%	MAX
JAN	998	999	1003	1005	1007	1009	1011	1011	1012
FER	1000	1001	1003	1006	1007	1009	1012	1013	1014
MAU	996	998	1001	1006	1008	1009	1012	1014	1015
APA	1005	1005	1000	1009	1010	1012	1013	1016	1017
MAY	1007	1007	1009	1010	1012	1013	1015	1016	1019
JUN	1008	1008	1010	1011	1013	1015	1016	1017	1018
JUL	1006	1008	1010	1012	1014	1015	1017	1019	1020
AUG	1008	1009	1010	1012	1013	1015	1017	1018	1020
SED	1000	1008	1009	1011	1012	1013	1016	1017	1019
DCT.	1005	1006	1007	1010	1011	1012	1014	1015	1016
NOV	1004	1006	1007	1008	1010	1011	1014	1015	1016
MEC	1001	1001	1003	1005	1007	1008	1010	1011	1013

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Approximate Central Location	146.2°E 148.1°E 150.3°E 152.8°E 154.6°E 153.4°E 153.6°E	147.5°E 149.7°E 144.1°E 141.4°E 137.1°E 127.0°E 113.8°E 113.8°E 111.5°E 115.9°E 121.4°E
Approx	14.3°S 17.4°S 20.3°S 23.3°S 26.9°S 30.6°S 33.7°S 36.5°S	39.6°S 43.3°S 43.3°S 39.4°S 36.5°S 35.5°S 36.5°S 37.1°S 19.1°S 13.0°S
Nаme	Princess Charlotte Bay Cairns Cumberland Islands Rockhampton Brisbane Coffs Harbour Sydney	Melbourne SE Tasmania East Tasmania West Cape Nelson Spencer Gulf Australian Bight SE Australian Bight SW Esperance Bay S Cape Leeuwin Perth NW Shark Bay Barrow Island Broome Cape Talbot
Area	などのものものの	112 119 119 119 119 119 119 119 119 119
Volume	г	ν

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